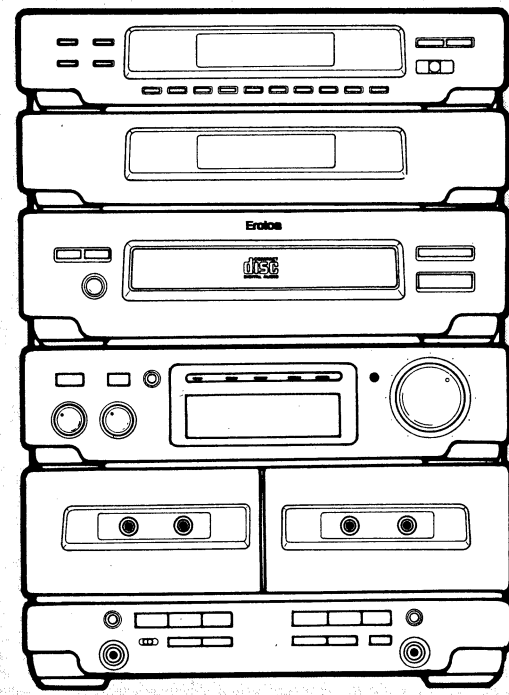
Eroica®

SERVICE MANUAL

TMD-100 (AC-MX100)
TMD-100L (AC-MX100/L)
TMD-100S (AC-MX100/S)

MINI COMPONENT STEREO SYSTEM

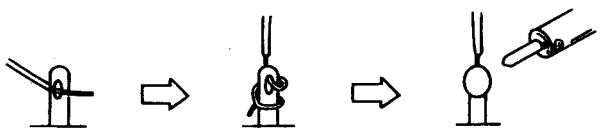


COMPACT disc DIGITAL AUDIO

SAFETY INSTRUCTIONS

PRECAUTIONS DURING SERVICING

1. Parts indentified by the ⚠ (*) symbol parts are critical for safety. Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation.
   These must also be replaced only with specified replacements.
   Examples: RF converters, tuner units, antenna selects switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially
   1) Insulation Tape
   2) PVC tubing
   3) Spacers (Insulating Barriers)
   4) Insulation sheets for transistors
   5) Plastic screws for fixing microswitch (especially in turntable)



5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.
6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

SAFETY CHECK AFTER SERVICING

After servicing, make measurements of leakage-current or resistance in order to determine that exposed parts are acceptably insulated from the supply circuit.
The leakage-current measurement should be done between accessible metal parts (such as chassis, ground terminal, microphone jacks, signal-input/output connectors, etc.) and the earth ground through a resistor of 1500 ohms paralleled with a 0.15μF capacitors, under the unit's normal working conditions. The leakage-current should be less than 0.5 mA rms AC.
The resistance measurement should be done between accessible exposed metal parts and power cord plug prongs with the power switch (if included) "ON". The resistance should be more than 2.2 Mohms.

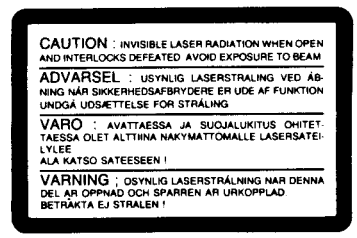
INFORMATION

SYMBOLS FOR PRIMARY DESTINATION

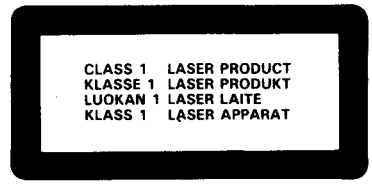
Alphabet indicates the destination of the units as listed below.

Symbols	Principal Destinations
A	USA
B	UK
C	Canada
E	Europe (except UK)
J	Japan
S	Australia
V	Germany only
U	Universal Area
Y*	Custom version

For your own safety, avoid hazardous invisible laser radiation. Do not look at the laser beam (objective lens) directly.
On models for some countries, laser warning labels are affixed on the outside and inside the until as shown below.
For your own safety, read these labels carefully when repairing or adjusting the unit.


CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED AVOID EXPOSURE TO BEAM
ADVARSEL : USYNLIG LASERSTRALING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSÆTTELSE FOR STRÅLING
VARO : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NAKYMATTOMALLE LASERSATEILYLEE
ALA KATSO SATEESEEN !
VARNING ; OSYNLIG LASERSTRÅLNING NAR DENNA DEL AR OPPNAD OCH SPARREN AR URKOPPLAD
BETRÄKTA EJ STRALEN !

Label affixed on the disc clamper inside the unit.

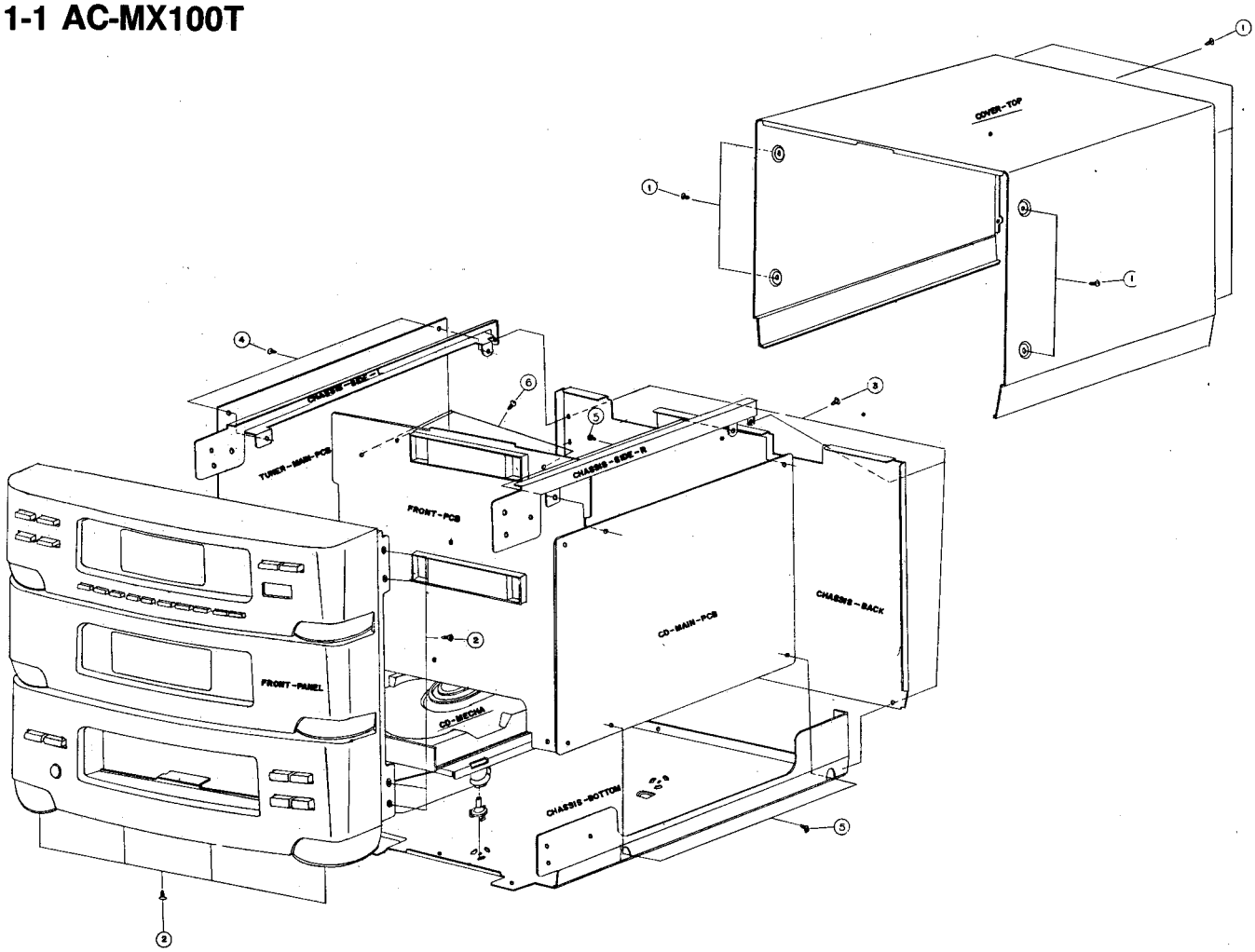


Label affixed on the rear panel of the unit.

I. DISASSEMBLY

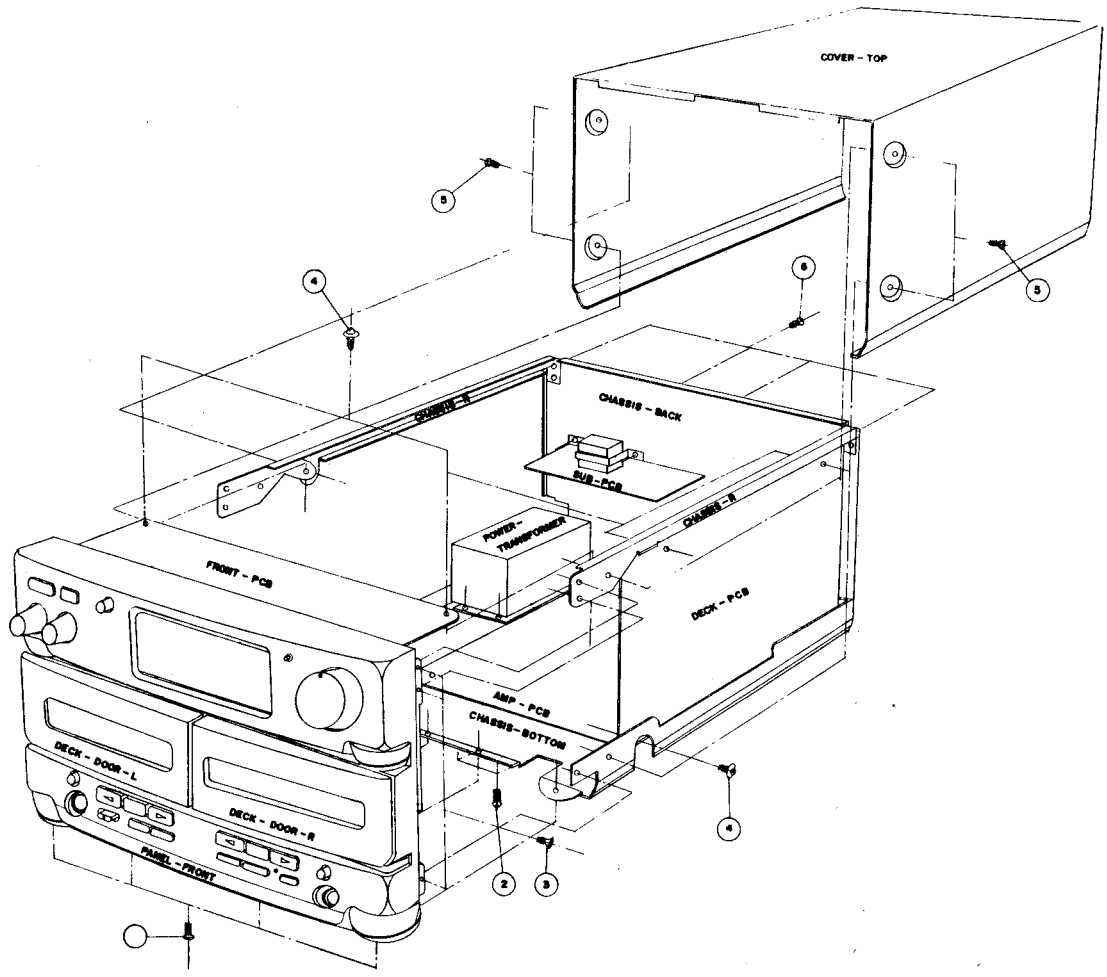
In case of trouble, etc., necessitating dismantling, please dismantle in the order shown in the illustrations.
Reassemble in reverse order.

1-1 AC-MX100T

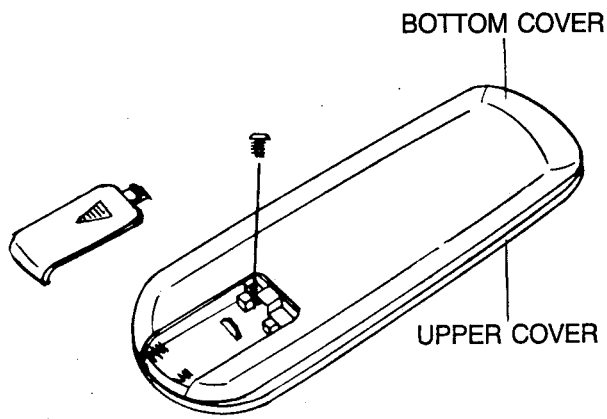


I. DISASSEMBLY

1-2 AC-MX100A



1-3 REMOCON



1-4 DISASSEMBLY PROCEDURES FOR CDP SECTION

REMOVING THE DISC TRAY

1. Apply Power Switch to the set and press the OPEN/ CLOSE button to open the table load.
2. Apply OFF the Power Switch while the table load is open, and push the table load back in by hand to close it.
3. Pull out the table load by hand to open it again. The table load will disengage easily and come out smoothly.
4. Now remove the table load from the cabinet while pressing the hook in the direction of the arrow as shown Fig. 2

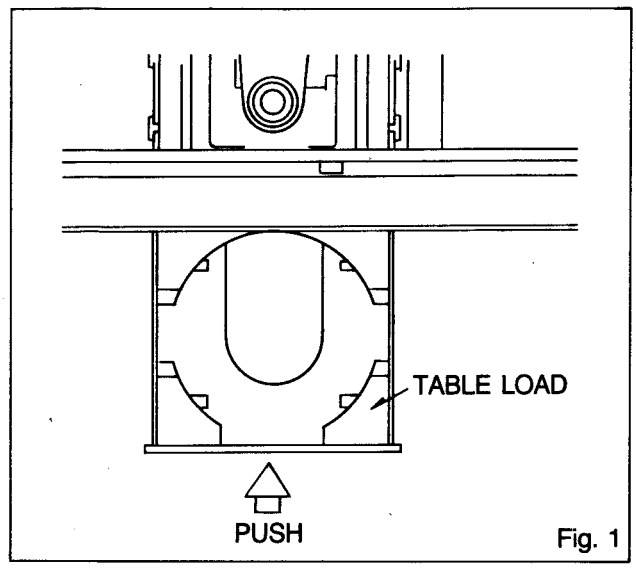


Fig. 1

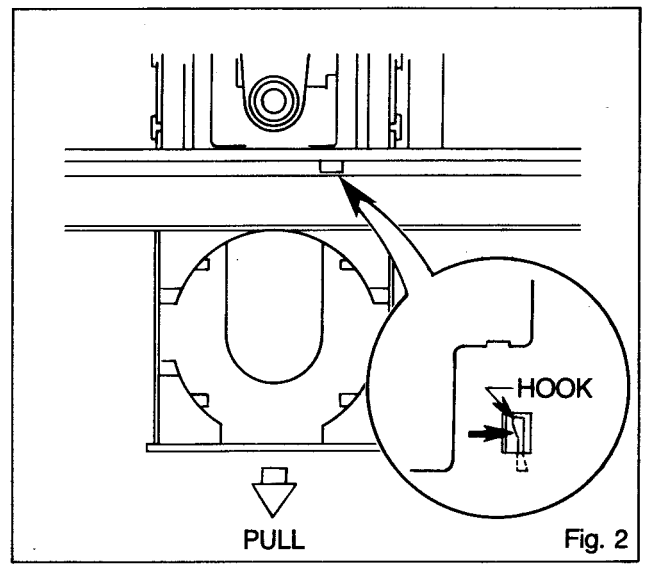


Fig. 2

REMOVING THE MECHANISM

Take out the four screws (1-4 in the diagram below) with which the mechanism is mounted in place and remove the mechanism.

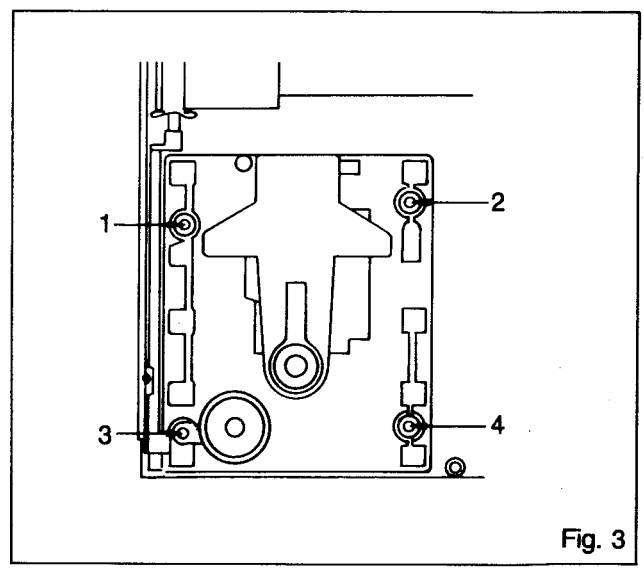


Fig. 3

II. SPECIFICATION

TUNER

Frequency range	: FM : 87.5 – 108.0 MHz (0.05 MHz steps)
	: MW (AM): 531 – 1602 KHz (9 KHz steps)
	: LW : 146 – 281 KHz (1 KHz steps) [E] [B] [V]
	: SW : 3.8 MHz – 12.5 MHz (5 KHz steps) [U]
Sensitivity	: FM : 3μV, MW (AM): 700μV, LW : 1500μV [E] [B] [V] SW: 63μV [U]
Signal-to-noise ratio	: FM mono: 65 dB, FM stereo: 65 dB
(IHF A Network)	: MW (AM)/LW/SW: 50 dB
Stereo separation	: 30 dB (1 KHz)

AMPLIFIER

Continuous output power	: 30 + 30 Watts RMS 1KHz THD 10% at 8 ohm
Frequency response	: 20 Hz – 40 KHz (±3 dB)
Total harmonic distortion	: 0.05% (– 10 dB for RMS per channel, power, output at 8 ohm)
Input sensitivity	: AUX/VCR 400mV/50kohms, PHONO 5mV/47kohms

CASSETTE SECTION

Rec	: AC bias (100 KHz)
Frequency response	: 100 Hz – 10 KHz (±3 dB)
Tape speed	: 4.75 cm/sec (Normal), 9.5 cm/sec (High)
Erase	: AC erase
Wow and flutter	: 0.2%
Signal-to-noise ratio	: 50 dB

CD SECTION

● AUDIO CHARACTERISTICS

Frequency response	: 20 Hz – 20 KHz (±2.0 dB)
Harmonic distortion	: Less than 0.07% (1 KHz)
Signal-to-noise ratio	: 90 dB
Wow and flutter	: Below measurable limits
Channel separation	: More than 90 dB (1 KHz)

● DIGITAL SIGNAL PROCESSING

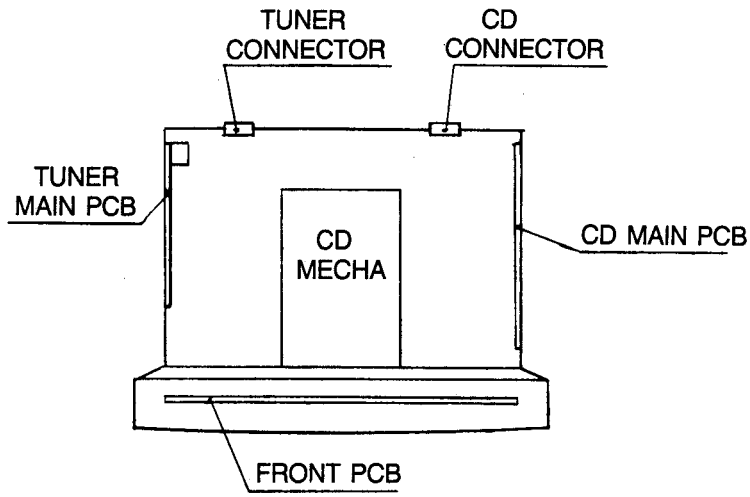
Optical pickup	: 3-beam laser (Semiconductor laser, λ = 780nm)
Error correction	: CIRC
Filter	: Digital filter + 4-pole LC filter
Sampling frequency	: 44.1 KHz
D/A conversion	: 16-bit linear

GENERAL

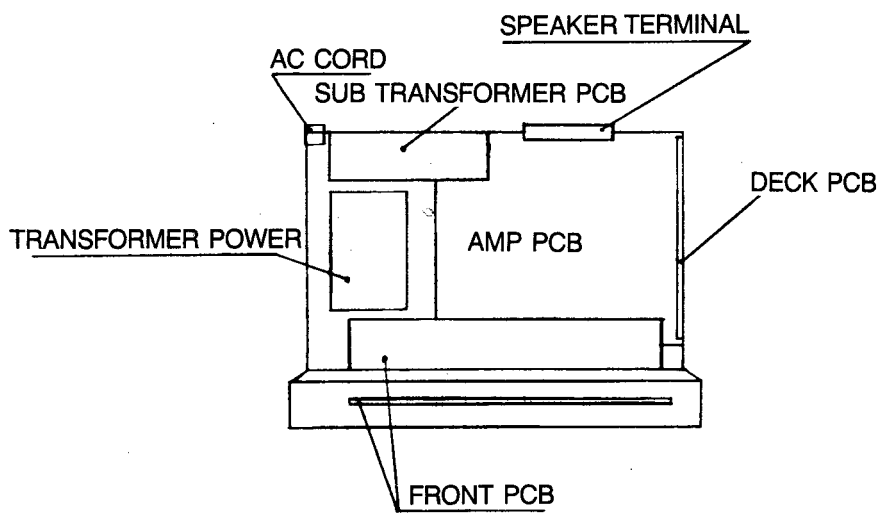
Power source	: AC 240V/50Hz [B] [S]
	: AC 220-230V/50Hz [E] [V]
	: AC 110 – 120/220 – 240V, 50/60 Hz 160W [U]
	: AC 127V/60Hz [U]
Dimensions	: Tuner: 265(W) × 188.5(H) × 237(D) mm
	: Amplifier: 265(W) × 188.5(H) × 269(D) mm
Weight	: Tuner:3.15 Kg, Amp:6.65 Kg

III. PRINCIPAL PARTS LOCATION

3-1 AC-MX100T



3-2 AC-MX100A



IV. ADJUSTMENT

4-1 TAPE

[PRECAUTIONS BEFORE ADJUSTMENT]

1. Before adjustment, clean and de-magnetize the heads and tape guides.
2. Set the switches as follows.
   Dolby NR switch : OFF
3. Use the following recording test tapes.
   NORMAL position: TDK AC-214
   CrO_2 position : TDK AC-513
4. 0 dBs = 388mV

STEP ADJUSTMENT ITEM

1. TEST TAPE/INPUT SIGNAL
2. MODE
3. TEST POINT, ADJUSTMENT PART
4. REMARKS (•) and RESULT (∗)

4 TAPE II NORMAL TAPE SPEED

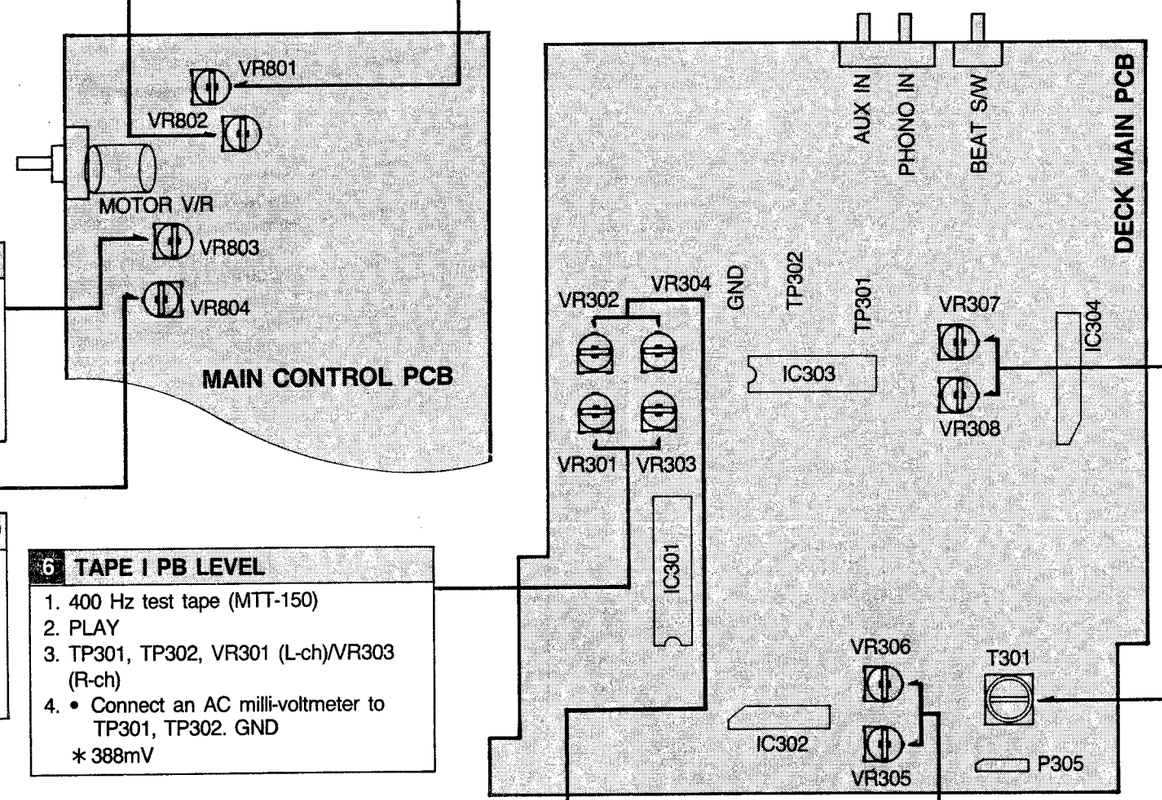
1. 3000 Hz test tape MTT-111DN
2. PLAY
3. TP301. 302, VR802
4. • Connect a frequency counter to TP301, GND
   ∗3000 ± 10 Hz

3 TAPE II HIGH (×2) TAPE SPEED

1. 3000 Hz test tape MTT-111DN
2. PLAY
3. TP301. 302, VR801
4. • Connect a frequency counter to TP301, GND
   ∗ 6000 ± 10 Hz

5 HEAD AZIMUTH ALIGNMENT (TAPE I & II)

1. 12.5KHz-15VU test tape (MTT-357G)
2. PLAY
3. LINE OUT, HEAD AZIMUTH ALIGNMENT SCREW
4. • Connect an AC milli-voltmeter to TP301, TP302. GND
   ∗ Maximum output level.



2 TAPE I NORMAL SPEED

1. 3000 Hz test tape (MTT-111DN)
2. PLAY
3. TP301. TP302, VR803
4. • Connect a frequency counter to TP301, GND
   ∗ 3000 ± 10 Hz

12 TAPE II REC LEVEL

1. NORMAL tape, 1 KHz, −6.5 dBs (AUX IN)
2. REC→PLAY (PB)
3. LINE OUT, VR307 (L-ch)/VR308 (R-ch)
4. • Connect an AC milli-voltmeter to TP301, TP302. GND
   ∗ −6.5dBs

1 TAPE I HIGH (×2) TAPE SPEED

1. 3000 Hz test tape MTT-111DN
2. PLAY
3. TP301, 302, VR804
4. • Connect a frequency counter to TP301, GND
   ∗ 6000 ± 10 Hz

6 TAPE I PB LEVEL

1. 400 Hz test tape (MTT-150)
2. PLAY
3. TP301, TP302, VR301 (L-ch)/VR303 (R-ch)
4. • Connect an AC milli-voltmeter to TP301, TP302. GND
   ∗ 388mV

8 OSC FREQUENCY (TAPE II REC/PB only)

1. No signal input, CHROME recording test tape.
2. REC
3. GND and P305 white wire, T301.
4. • Connect a frequency counter between GND and P305. (white wire)
   ∗ 100 ± 0.5KHz

7 TAPE II PB LEVEL

1. 400 Hz test tape (MTT-150)
2. PLAY
3. TP301, TP302, VR302 (L-ch)/VR304 (R-ch)
4. • Connect an AC milli-voltmeter to TP301, TP302. GND
   ∗ 388mV

10 TAPE II NORMAL POSITION BIAS

1. 400Hz and 12.5KHz, −25 dBs (AUX IN)
2. REC→PLAY (PB)
3. L & R-ch
4. • Connect an AC milli-voltmeter to TP301, TP302. GND
   ∗ Playback levels of 400 Hz and 12.5 KHz are equal or within ± 1.0 dB

IV. ADJUSTMENT

4-2 TUNER

4-2-1 INSTRUMENT CONNECTIONS

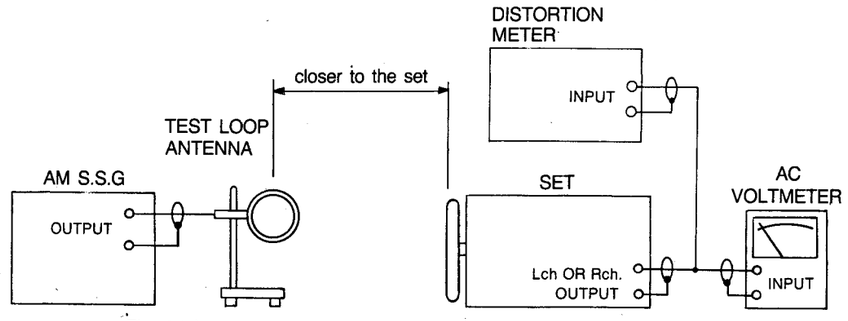


Fig. 4-1 Instrument connection for AM (MW, LW) section adjustment

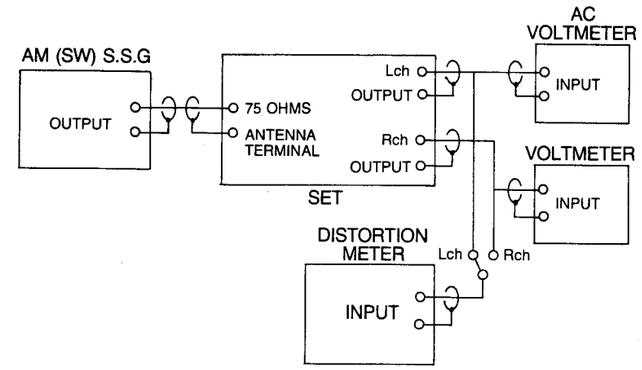


Fig. 4-2 Instrument connection for AM (SW) section adjustment

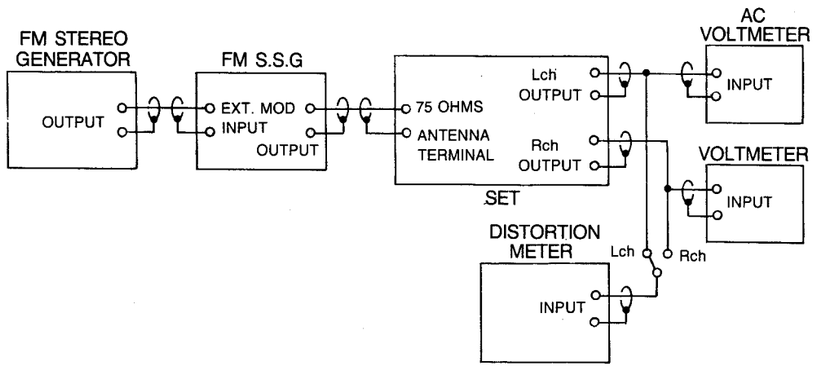


Fig. 4-3 Instrument connection for FM section adjustment

4-2-2. ADJUSTMENT

STEP	ADJUSTMENT
1.	SSG FREQUENCY, OUTPUT LEVEL
2.	TUNING FREQUENCY
3.	TEST POINT, ADJUSTMENT PART
4.	REMARKS (•) and RESULT (∗)
	Adjustment part Test point

FM

NOTE: Set the SSG to 1 KHz, 75 KHz deviation for [E] [B] [S] [U] model,
40 KHz deviation for [V] model.

1 TUNED SENSITIVITY

1. 97.945~97.950MHz (60dBμ)
2. 98MHz (AUTO)
3. TP1, TP2, T104
4. • Connect the oscilloscope to TP1, TP2 (GND).
   ∗ TUNED indicator ON at 97.950MHz, TUNED Indicator OFF at 97.945MHz

2 STEREO SEPARATION

1. 98.0 MHz, 60dBμ (STEREO L or R channel only)
2. 98.0 MHz
3. JW117, TP2 (GND), SV101
4. • Connect an frequency counter to JW117 and TP2 (GND).
   ∗ 76.0±0.05KHz

1 FM SENSITIVITY

1. 90.0, 98.0, 106.0 MHz, 15dBμ
2. 90.0, 98.0, 106.0 MHz
3. TP1, TP2 (GND), BLACK IFT IN FRONT END
4. • Connect an THD-meter to TP1, TP2 (GND).
   ∗ Adjust BLACK IFT so that the reading on the THD METER is minimum distortion.

LW

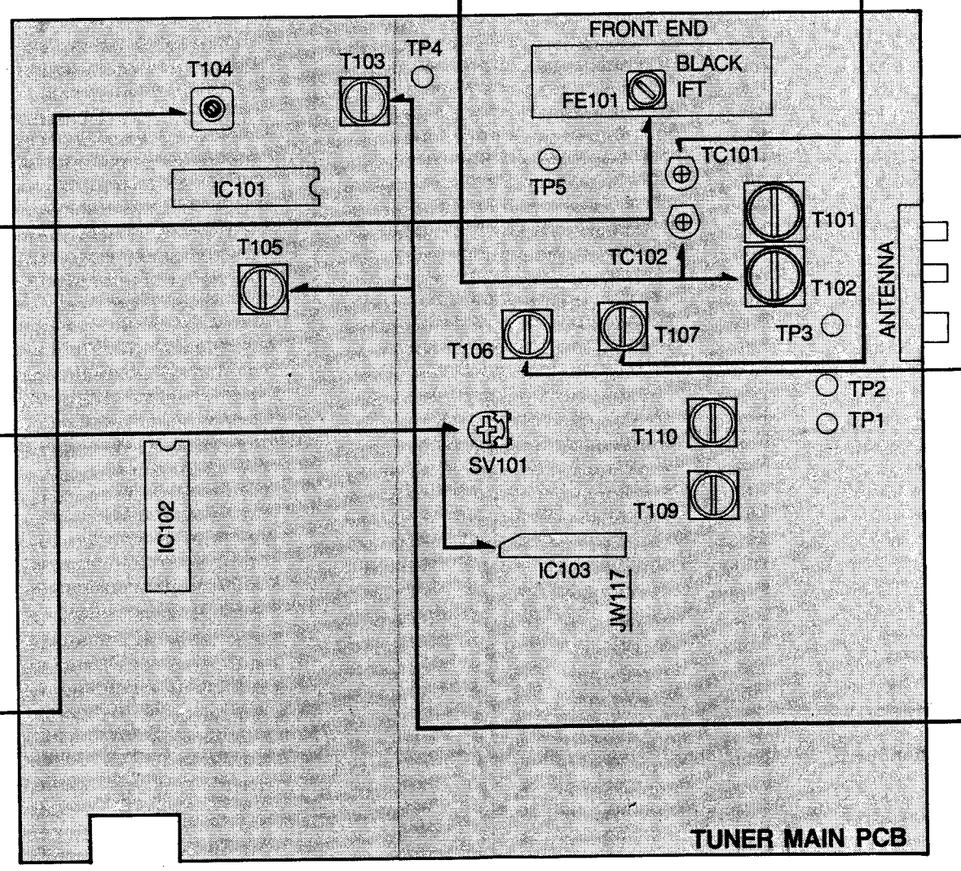
NOTE: Set the SSG to 1 KHz, 30% modulation of each.

2 LW SENSITIVITY

1. 160 KHz (LOW)/260 KHz (HIGH) 70dBμ
2. 160 KHz (LOW)/260 KHz (HIGH)
3. TP1, 2, T102 (LOW)/TC102 (HIGH)
4. • Connect the Distortion-meter to TP1, TP2 (GND).
   ∗ Minimum Distortion Level
   NOTE: For best result repeat LOW and HIGH adjustment several times.

1 TUNING VOLTAGE

1. —
2. 146 KHz (LOW)/281 KHz (HIGH)
3. TP3, TP2, T107 (LOW)
4. • Connect the digital DC voltmeter between TP3 and TP2 (GND).
   ∗ Low: 1V/HIGH: 7.0 to 8.0V
   NOTE: For best result repeat LOW and HIGH adjustment several times.



AM (MW)

NOTE: Set the SSG to 1 KHz, 30% modulation of each.

3 AM (MW) SENSITIVITY

1. 603KHz (LOW)/1404KHz (HIGH), 60dBμ
2. 603 KHz (LOW)/1404 KHz (HIGH)
3. TP1, 2 (LOW)/TC101 (HIGH)
4. • Connect the Distortion-meter to TP1, TP2 (GND).
   ∗ Minimum Distortion Level
   NOTE: For best result repeat LOW and HIGH adjustment several times.

1 AM (MW) TUNING VOLTAGE

1. —
2. 531KHz (LOW)/1602KHz (HIGH) ([V] only)
   530 KHz (LOW)/1600 KHz (HIGH)
3. T106 (LOW)
4. • Connect the digital DC voltmeter between TP3 and TP2 (GND).
   ∗ LOW 1.0V/HIGH: 7.0 to 8.0V
   NOTE: For best result repeat LOW and HIGH adjustment several times.

2 AM IF

1. 603 KHz 74 dBμ
2. 603 KHz
3. TP1, TP2: T103, T105
4. • Connect the AC milli-voltmeter to TP1, TP2 (GND).
   ∗ Maximum OUTPUT level.

4-2-3. ADJUSTMENT

STEP	ADJUSTMENT
1.	SSG FREQUENCY, OUTPUT LEVEL
2.	TUNING FREQUENCY
3.	TEST POINT, ADJUSTMENT PART
4.	REMARKS (•) and RESULT (∗) Adjustment part Test point

SW

NOTE: Set the SSG to 1 KHz, 30% modulation of each.

2 SW SENSITIVITY

1. 4 MHz (LOW)/12 MHz (HIGH) 30dBμ
2. 4 MHz (LOW)/12 MHz (HIGH)
3. TP1, 2, T102 (LOW)/TC102 (HIGH)
4. • Connect the Distortion-meter to TP1, TP2 (GND).
   ∗ Minimum Distortion Level

NOTE: For best result repeat LOW and HIGH adjustment several times.

1 TUNING VOLTAGE

1. —
2. 3.8 MHz (LOW)/12.5 MHz (HIGH)
3. TP3, TP2, T107 (LOW)
4. • Connect the digital DC voltmeter between TP3 and TP2 (GND).
   ∗ Low: 1V/HIGH: 7.0 to 8.0V

NOTE: For best result repeat LOW and HIGH adjustment several times.

FM

NOTE: Set the SSG to 1 KHz, 75 KHz deviation for [E] [B] [S] [U] model,
40 KHz deviation for [V] model.

1 TUNED SENSITIVITY

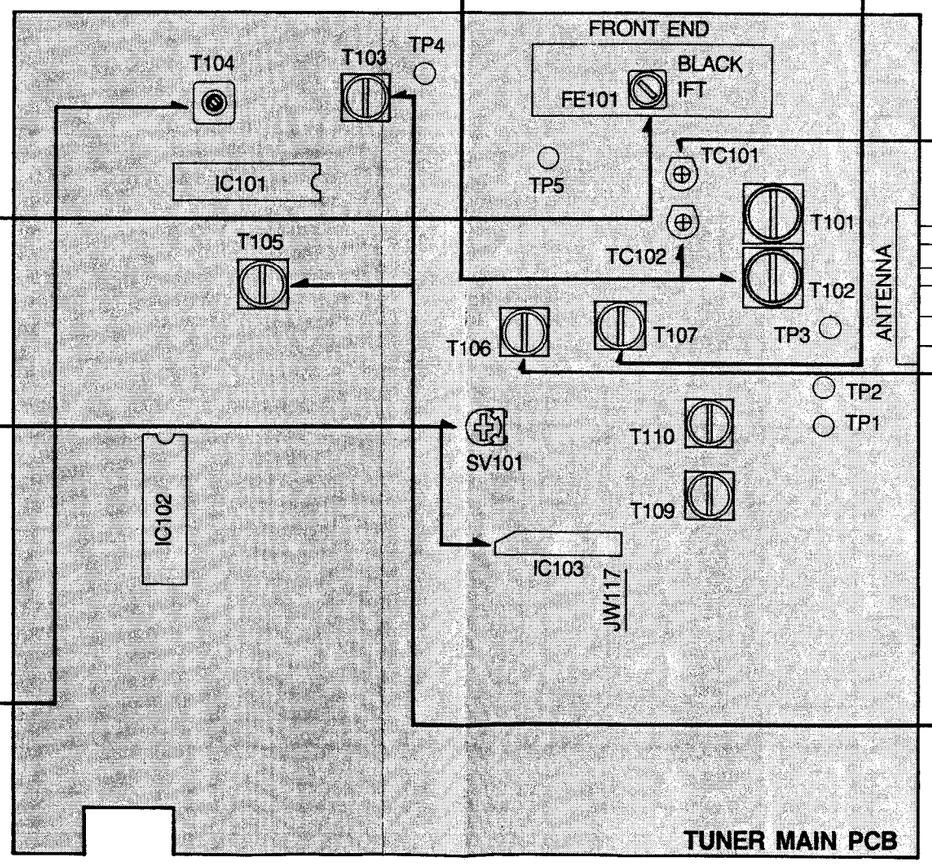
1. 97.945~97.950MHz (60dBμ)
2. 98MHz (AUTO)
3. TP1, TP2, T104
4. • Connect the oscilloscope to TP1, TP2 (GND).
   ∗ TUNED indicator ON at 97.950MHz, TUNED Indicator OFF at 97.945MHz

2 STEREO SEPARATION

1. 98.0 MHz, 60dBμ (STEREO L or R channel only)
2. 98.0 MHz
3. JW117, TP2 (GND), SV101
4. • Connect an frequency counter to JW117 and TP2 (GND).
   ∗ 76.0±0.05KHz

1 FM SENSITIVITY

1. 90.0, 98.0, 106.0 MHz, 15dBμ
2. 90.0, 98.0, 106.0 MHz
3. TP1, TP2 (GND), BLACK IFT IN FRONT END
4. • Connect an THD-meter to TP1, TP2 (GND).
   ∗ Adjust BLACK IFT so that the reading on the THD METER is minimum distortion.



AM (MW)

NOTE: Set the SSG to 1 KHz, 30% modulation of each.

3 AM (MW) SENSITIVITY

1. 603KHz (LOW)/1404KHz (HIGH), 60dBμ
2. 603 KHz (LOW)/1404 KHz (HIGH)
3. TP1, 2 (LOW)/TC101 (HIGH)
4. • Connect the Distortion-meter to TP1, TP2 (GND).
   ∗ Minimum Distortion Level

NOTE: For best result repeat LOW and HIGH adjustment several times.

1 AM (MW) TUNING VOLTAGE

1. —
2. 531KHz (LOW)/1602KHz (HIGH) ([V] only) 530 KHz (LOW)/1600 KHz (HIGH)
3. T106 (LOW)
4. • Connect the digital DC voltmeter between TP3 and TP2 (GND).
   ∗ LOW 1.0V/HIGH: 7.0 to 8.0V

NOTE: For best result repeat LOW and HIGH adjustment several times.

2 AM IF

1. 603 KHz 74 dBμ
2. 603 KHz
3. TP1, TP2: T103, T105
4. • Connect the AC milli-voltmeter to TP1, TP2 (GND).
   ∗ Maximum OUTPUT level.

4-3 CDP

STEP	ADJUSTMENT ITEM
1.	Test disc
2.	Mode
3.	Test Point & Adj. Part
4.	Result & Remarks

ADJ. Part

Test Point

1 PLL

1.
2. STOP
3. Connect Frequency Counter to Test pin TP1.
4. Adjust L801 so that 4.4MHz ±50KHz

2 E-F BALANCE

1. Test disc A-BEX TCD-791.
2. PLAY (TNO 4)
3. VR802
4. Connect an oscilloscope between "TE" of CN10 and GND then short between "T OFF" of CN10 and GND.
   * Adjust VR802 so that center of waveform on the oscilloscope as shown below.

3 FOCUS SERVO GAIN

1. Test disc A-BEX TCD-791
2. PLAY (TNO4)
3. VR801
4. Connect an oscilloscope between "F COIL" of CN2 and GND.

*0.6 to 1.0Vp-p

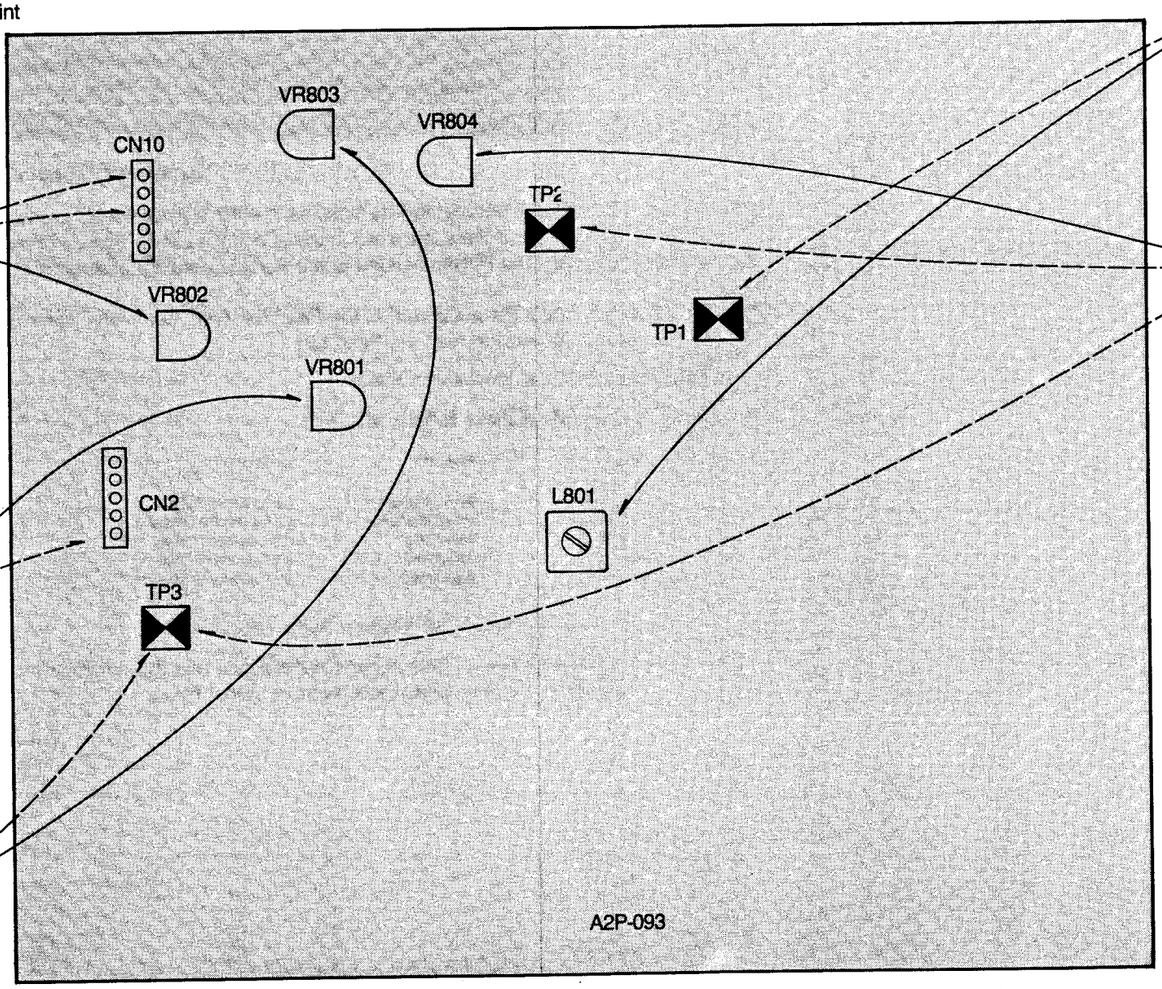
4 TRACKING SERVO GAIN

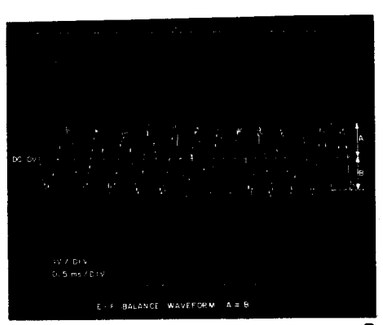
1. Test disc A-BEX TCD-791
2. PLAY (TNO4)
3. VR803
4. Connect an oscilloscope between pin TP3 and GND.

*0.8 to 1.2 Vp-p

5 TRACKING SERVO OFF-SET

1.
2. STOP
3. VR804
4. Connect on oscilloscope to test pin TP3, then short the test pin TP2 and GND.
   * Adjust VR804 so that the center of waveform on the oscilloscope is DC 0V ±20mV.





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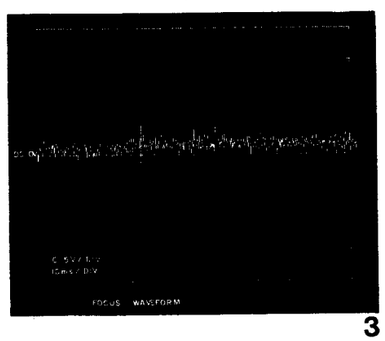

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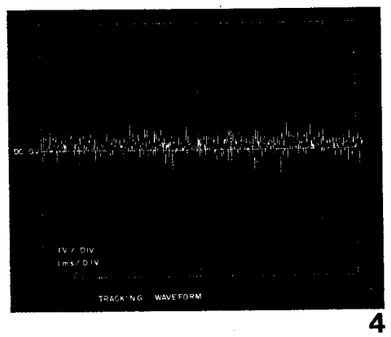

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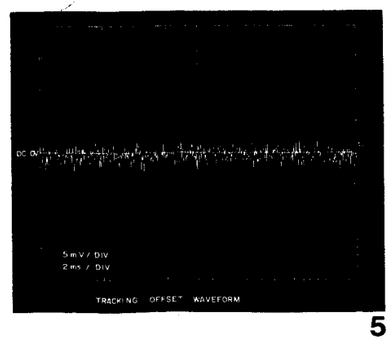


5

V. PARTS LIST

ATTENTION

1. When placing an order for parts, be sure to list Part No, Model No. and the description of eachpart. Otherwise, the non-delivery of the part or the delivery of a wrong part may result.
2. Please make sure that Part No. is correct when ordering. If not, a part different from the one you ordered may be delivered.
3. Since the parts shown in Parts List of Preliminary Service Manual may have been the subject of changes, please use this Parts List for all future reference.

HOW TO USE THIS PARTS LIST

1. This Parts List lists those parts which are considered necessary for repairs. Other common parts, such as resistors and capacitors, are listed in the "Common List for Service Parts" from which these parts should be selected and stocked.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the Parts List.

a) Mechanism Block

2. HEAD BASE BLOCK

Ref. No.	Part No.	Description
1	BH-T2023A320A	HEAD BASE BLOCK
2	HP-H2206A010A	HEAD R/P PR4-8FUC
3	ZS-477876	PAN20×03STL CMT
4	ZS-536488	BID20×08STL CMT
5	ZG-402895	SP CS ANGLE ADJUST

SP (Service Parts) Classification

This number corresponds with the individual parts index number in that figure.

b) PC Board

6. MAIN P.C. BOARD

Ref. No.	Part No.	Description
IC1	EI-324536	IC HD14049BP
IC2	EI-336801	IC MB8841-564M
C1A	EC-338399	C MMY V 223M 250AC [U,E,B,S]
C1B	EC-350949	C MMY V 223M 250DC [J]
C1C	EC-338397	C MMY V 223M 125AC [C,A]
X1	EI-318384	OSC X'TAL NC-18C

Symbols for primary destination
[A]: AAL (U.S.A) [S]: SAA (Australia)
[B]: BEAB (England) [U]: U/T (Universal Area)
[C]: CSA (Canada)
[E]: CEE (Europe) [V]: VDE (Germany)
[J]: JPN (Japan) [Y]: Custom Version

SP (Service Parts) Classification

These reference symbols correspond with component symbols in the schematic diagrams.

The available PC Board Blocks are listed separately.

5. When Part No. is known, Parts Index at end of Parts List can be used to locate where that part is shown in Parts List by its Reference No. listed at right of Part No.

WARNING

(*) INDICATED SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS.

AVERTISSEMENT

(*) IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉDE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT.

V. PARTS LIST

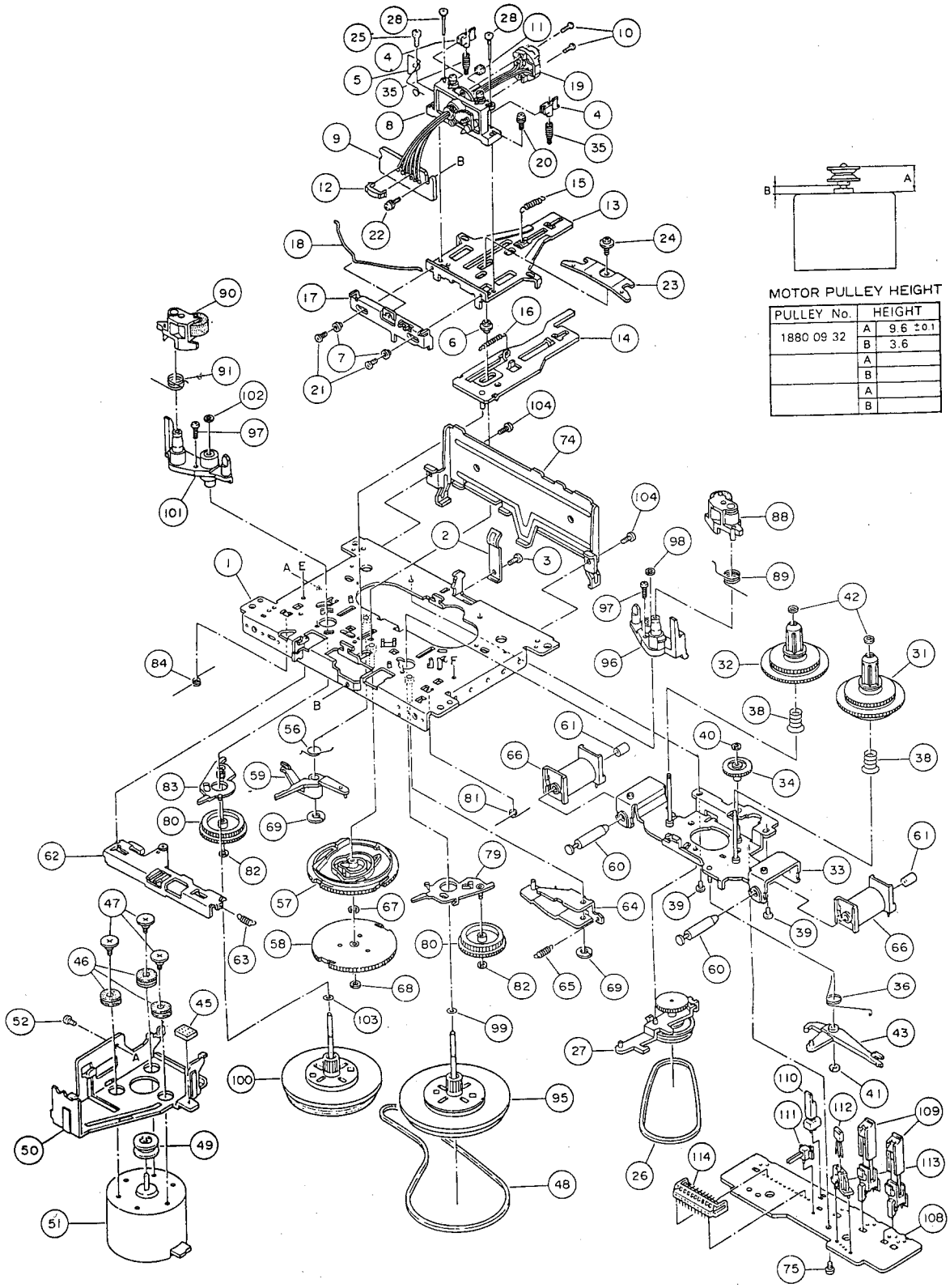
1. RECOMMENDED SPARE PARTS

We suggest you to stock the following Recommended Spare Part items listed below since they can cover most of the routine service.

Ref. No.	Part No.	Description
1-1	PTAJ-00550-Y18	TRANS-POW A74-055Y-V [E, V] (MAIN)
1-2	PTAJ-00550-Z1B	TRANS-POW A74-055Z-B [S, B]
1-3	PTAJ-00550-41V	TRANS-POW A74-055BX-V [U]
1-4	PTAJ-00550-C31	TRANS-POW A74-055C-U [U] (127V only)
2-1	PTAC-00840-Y18	TRANS-POW A35-084Y-V [E, V] (SUB)
2-2	PTAC-00840-Z1B	TRANS-POW A35-084Z-B [S, B]
2-3	PTAC-00840-41V	TRANS-POW A35-084BX-V [U]
2-4	PTAC-00840-C31	TRANS-POW A35-084C-U [U] (127V only)
3	DECA-00260-002	MECHA-CASSETTE TN1800-243P (PLAY)
4	DECA-00270-002	MECHA-CASSETTE TN1800-244 (R/P)
5	DECD-00072-00F	MECHA-CDP CDKM87TK3
6	ESRY-00010-120	RELAY HR703V DC12V
7	ESRY-00040-121	RELAY VS12SMCU5VD8 DC12V
8	FGFB-S1062-137	FUSE T 250V 1.6A [E, B, S, V, U]
9	FGFB-S1252-137	FUSE T 250V 1.25A [E, V, S, B, U]
10	FGFB-S1002-137	FUSE GLASS T 250V 1A [S, B]
11	FGFB-S2502-137	FUSE GLASS T 250V 2.5A [U]
12	DDTR-00020-SD0	D RECTIFIER 1N4002 100V 1A
13	DDTS-00060-SO0	D SI 1SS131
14	DDTS-00030-S0O	D SI 1S2471 80V 0.12A
15	DDMR-00210-T11	D 1N5402 200V 3A
16	DDTS-00070-SB0	D SI 1SS135
17	TRTA-0008G-SD0	TR KTA1266-GR
18	DDSV-0003A-S30	D VVC 1SV149A AM
19	DDSV-00100-S10	D VVC SVC211 FM
20	TRTA-0008Y-SD0	TR KTA1266-Y
21	TRTA-0012Y-SD0	TR KTA966A-Y
22	TRTA-0044W-SOS	TR DTA144W-S
23	TRTA-0043E-SOS	TR DTA114E-S
24	TRTA-0042E-SOS	TR DTA124E-S
25	TRTC-0001B-SDO	TR KTC2878-B
26	TRTC-0008Y-SDO	TR KTC2120-Y
27	TRTC-0016Y-SDO	TR KTC3198-Y
28	TRTC-0060E-SOS	TR DTC144E-S
29	TRTC-0061E-SOS	TR DTC124E-S
30	TRTC-0062E-SOS	TR DTC114E-S
31	TRTC-0094Y-SDO	TR KTC3199-Y
32	TRTC-0039Y-SD0	TR KTC2236A-Y
33	TRTA-0009A-SD0	TR KTA1271-Y
34	TRTC-0016G-SDO	TR KTC3198-GR
35	TRTD-00200-SDO	TR KTD1302
36	TRTC-0010Y-SDO	TR KTC1923-Y
37	DDTZ-G075B-SO0	D ZENER MTZ7.5B
38	DDTZ-G0510-SO0	D ZENER MTZ5.1
39	DDTZ-G0560-S0O	D ZENER MTZ5.6
40	DDTZ-G082C-S0O	D ZENER MTZ8.2C
41	DDTZ-G0910-S0O	D ZENER MTZ9.1
42	DPLA-00140-00L	LAMP 110mA 12V
43	DPLC-00100-00P	DISPLAY-LCD HDL7333-5A6R022A CDP
44	DPLC-00090-00T	DISPLAY-LCD HDL7332-5A2P02GA TUNER
45	DPLC-00091-00E	DISPLAY-LCD HDL7331-5A2P02GA EQ
46	DPLT-00352-DY2	DOT-LED DLA215-D
47	DPLT-00362-RR2	DOT-LED DLR215-D
48	DPLT-00372-RR3	DOT-LED DLAR304D-2
49	DPIR-00021-005	DOT-IR LED KLN 105B-B
50	ICOP-00130-SE0	IC MC4558S
51	ICDG-00140-S10	IC LC7520
52	ICLN-00870-S40	IC CXA1102P
53	DPLT-00382-DY3	DOT-LED DLA304-D
54	ICCM-20200-SHO	IC MB88306
55	ICDG-00240-S10	IC LC7561
56	ICDG-00560-SBO	IC BA6208
57	ICDG-00600-T90	IC S-8054 ALB
58	ICLN-00710-S90	IC M5229P
59	ICMP-00520-S20	IC uPD75108GF-R30-3BE
60	ICOP-00121-SE0	IC LM324
61	ICCM-00170-SQO	IC GD4052B
62	ICDG-00370-S20	IC uPD1330HA
63	ICLN-00120-SD0	IC KIA7784P
64	ICHP-00090-S10	IC STK4132-II
65	ICRG-00160-SE0	IC MC7809C
66	ICRG-00190-SE0	IC MC7912C
67	ICRG-00217-SE0	IC MC7812C
68	ICDG-00460-S30	IC TC9227P
69	ICLN-00070-SD0	IC KIA7343P
70	ICLN-00100-SD0	IC KIA7758P
71	ICHY-00070-SS0	IC GPIU 701R
72	ICMP-00170-S30	IC TC9306F-027BS/TC9306F-052
73	ICMP-00500-S10	IC LC5864H-1435
74	ICDG-00151-S10	IC LC7860KA
75	ICDG-00470-SQ0	IC GM76C28-10
76	ICDG-00590-SE0	IC KDA0316
77	ICLN-00720-S10	IC LA9200NM
78	ICRG-00040-SE0	IC MC7805C
79	ICMP-00220-S20	IC uPD6122G-001
80	KTRE-00090-040	REASONATOR CST4.00MGW
81	KTRE-00060-004	REASONATOR CSB455E 455KHz
82	KTAL-00010-086	CRYSTAL HC-49/U 8.6436MHz
83	KTAL-00040-072	CRYSTAL HC-49/U 7.2MHz
84	KTRE-00030-041	REASONATOR CSA4.19MG
85	SWPU-00301-038	SW PUSH 00220014
86	SWSL-00490-054	SW SLIDE KSA2340C
87	SWTA-00120-060	SW TACT KHH10910L0
88	SWSL-00128-012	SW SLIDE 00120050
89	VRAE-D108C-203	VR RK12K 1130-20KC
90	VRAE-D019W-104	VR RK12K 1170-100KW
91	VWBD-F001B-104	VR RK14112MA-100KB 2
92	KIRO-00290-E10	COIL-REC OSC ARO 029 4.7MHz
93	KIML-00020-E20	COIL-FM MPX FILTER AMA-002
94	KIAT-00350-E20	COIL-AM ANT AAT-035 MW
95	KIAT-00300-E20	COIL-AM ANT AAT-030 LW
	KIAT-00370-E20	COIL-AM ANT AAT-037 SW
96	KIAO-00250-E20	COIL-AM OSC AAO-025 LW
	KIAO-00260-E20	COIL-AM OSC AAO-026 SW
97	KIAO-00240-E20	COIL-AM OSC AAO-024 MW
98	IFFD-00070-E20	IFT-FM DET AFD-007
99	IFAD-00040-E20	IFT-AM DET AAD-004
99	IFAA-00130-E20	IFT-AM AAA-013
100	KIBK-00090-E20	COIL-AUDIOCHOKE ABK009
101	KIRO-00180-E20	COIL-REC OSC ARO-018
102	KIRP-00040-E20	COIL-REC TRAP ARP-004
103	KIRP-00050-E20	COIL-REC TRAP ARP-005
104	RFUW-F2R2J-120	R-FUSIABLE 1/4W 2.2 ohm
105	RFUW-F4R7J-120	R-FUSIABLE 1/4W 4.7 ohm
106	RFUW-F1R0J-120	R-FUSIABLE 1/4W 1 ohm
107	RFUW-G1R0J-130	R-FUSIABLE 1/2W 1 ohm
108	TUFF-00110-00D	FRONT-END SE-1030H4
109	BTCE-00040-107	FILTER-CERAMIC SFE 10.7MS2A
110	BTCE-00150-107	FILTER-CERAMIC SFE 10.7MJA ([V]only)
111	BTCE-00092-107	FILTER-CERAMIC SFE 10.7MA5L-A
112	BTCE-00130-004	FILTER-CERAMIC SFU 450B
113	CACS-U472M-039	C-AC DE7150F 472MVA1 KC 400V
114	TRTC-0075T-SOS	TR DTC114T-S
115	DDTZ-G051B-SO0	D ZENER MTZ 5.1B
116	DPLT-00382-DY3	DOT LED DLA-304D
117	ICOP-00131-SE0	IC MC4558C
118	ICRG-00030-SD0	IC KIA79L006P
119	KIBK-00050-E40	COIL-AUDIO CHOKE ABK005
120	KDAC-0070E-2GJ	CORD-AC KP-700A VFF ([U]only)
121	KDAC-0180F-5N8	CORD-AC KKP419C KLCF-2F [E, V]
122	RFUZ-F560J-120	R-FUSIABLE 1/4W 56 ohm
123	RFUZ-F470J-001	R-FUSIABLE 1/4W 47 ohm

V. PARTS LIST

MECHA BLOCK (PLAY) TN-1800-243P



MOTOR PULLEY HEIGHT

PULLEY No.		HEIGHT
1880 09 32	A	9.6 ±0.1
	B	3.6
	A	
	B	
	A	
	B	

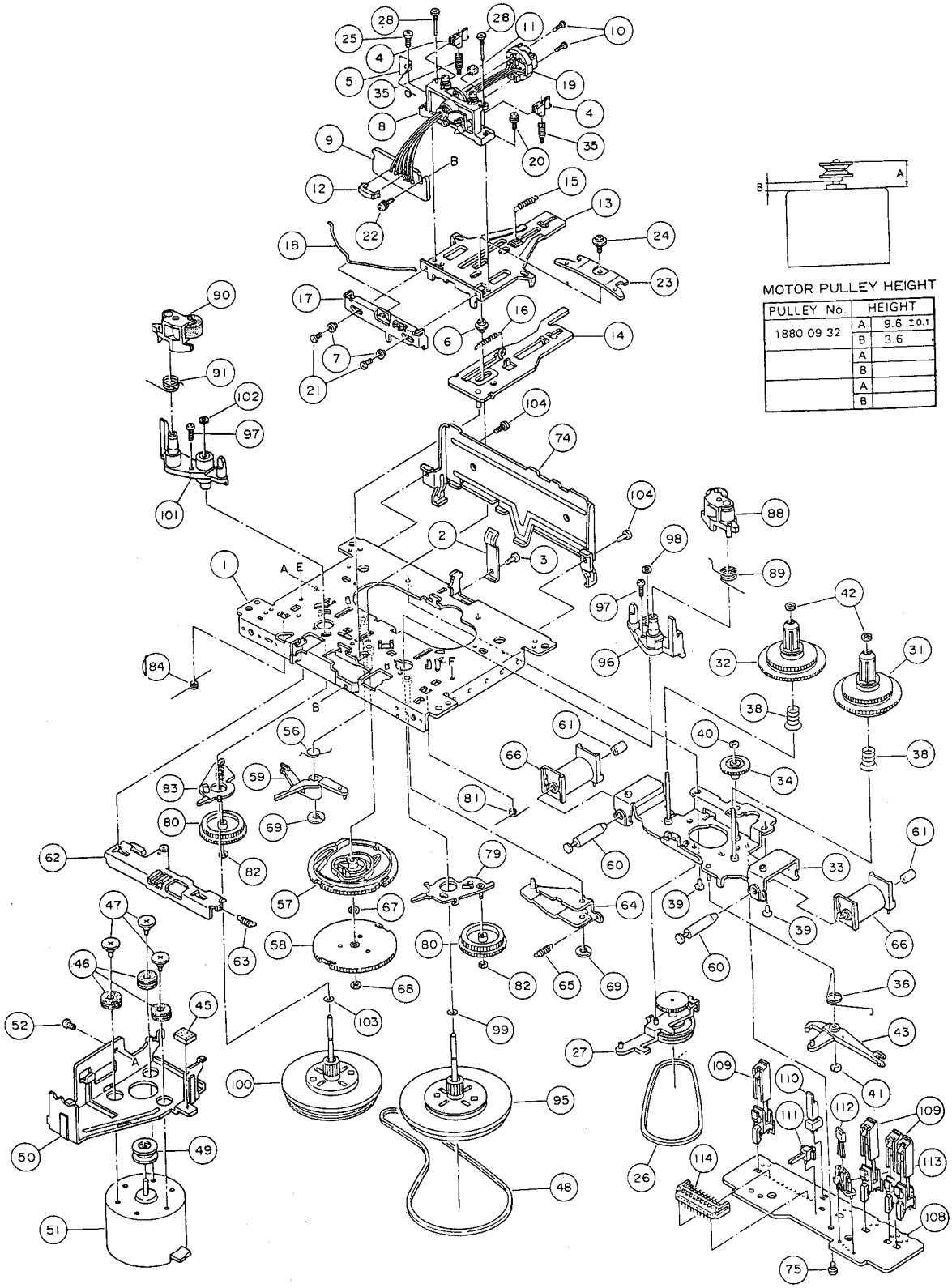
V. PARTS LIST

2. MECHA BLOCK (PLAY)

Ref. No.	Part No.	Description
1	1880 01 501	CHASSIS ASS'Y
2	1880 01 02	PACK SPRING
3	9178 00 00	C TAPPING SCREW M2×3(SPECIAL)
4	1865 02 50A	TAPE GUIDE
5	1865 02 60	CLAMP SPRING(V)
6	1880 02 19	PANEL COLLAR(A)
7	1865 02 28	CHP LEVER COLLAR
8	1880 02 25	HEAD BASE
9	1865 02 34	RELAY BOARD
10	9999 18 02	HEAD COLLAR SCREW
11	1865 09 61	SPACER
12	1865 02 49	WIRE CLAMP
13	1880 02 01	HEAD PANEL(A)
14	1880 02 501	HEAD PANEL(B) ASS'Y
15	1880 02 04	RC SPRING
16	1880 02 05	PANEL SPRING
17	1880 02 06	CHP LEVER
18	1880 04 05	PINCH ROLLER SPRING
19	6202 07 07	YK10P-BA410
20	9078 00 00	TAMS SCREW M2×5
21	9547 00 00	SCREW(FOR CAMERA) M1.7×3
22	9999 20 20	S TAPPING TAMS SCREW M2×5
23	1880 02 16	PANEL SPRING PLATE
24	9999 18 16	CUP(FOR CAMERA) S TAPPING SCREW M2×5
25	9117 00 00	BIND SCREW M2×5
26	1880 07 08	RF BELT
27	1880 07 302	RF CLUTCH ASS'Y
28	1865 02 52	GUIDE SCREW
31	1880 05 301	T REEL ASS'Y(F)
32	1880 05 302	T REEL ASS'Y(R)
33	1880 05 501	REEL BASE ASS'Y
34	1880 05 08	FF GEAR
35	1865 02 54	GUIDE SPRING
36	1880 05 17	FR TRIGGER ARM SPRING
38	1880 05 22	B.T SPRING(R)
39	9180 00 00	C TAPPING SCREW M2×4
40	9421 00 00	P WASHER CUT 1.2×3×0.25
41	9876 00 00	P WASHER CUT 2.1×5×0.5
42	9999 70 03	HL WASHER CUT 1.4×3.2×0.4
43	1880 05 15	RF TRIGGER ARM
45	1880 09 20	MAT
46	1821 12 66	MOTOR RUBBER
47	1851 14 18	MOTOR COLLAR SCREW
48	1880 09 10	MAIN BELT
49	1880 09 32	MOTOR PULLEY
50	1880 09 11	MOTOR BRACKET
51	6002 03 26	MOTOR EG530YD-2B
52	9180 00 00	C TAPPING SCREW M2×4
56	1880 01 06	M TRIGGER ARM SPRING
57	1880 21 15	M GEAR
58	1880 21 16	RF CAM GEAR
59	1880 21 03	M TRIGGER ARM
60	1880 21 05	PLUNGER
61	1880 21 06	PLUNGER HOLDER
62	1880 21 501	CH SLIDE LEVER ASS'Y
63	1880 21 08	CH SLIDE LEVER SPRING
64	1880 21 503	P KICK LEVER ASS'Y
65	1880 21 11	PK LEVER SPRING
66	1880 21 13	SOLENOID
67	9502 00 00	E RING ϕ2.0
68	9999 70 06	HL WASHER CUT 1.55×3.5×0.5
69	9999 70 04	HL WASHER CUT 2.1×5×0.4
74	1880 53 02	SW PROTECTOR
75	9180 00 00	C TAPPING SCREW M2×4
79	1880 05 502	T GEAR ARM(F) ASS'Y
80	1880 05 36	T GEAR(A)
81	1880 05 18	TG ARM(F) SPRING
82	9421 00 00	P WASHER CUT 1.2×3×0.25
83	1880 05 503	T GEAR ARM(R) ASS'Y
84	1880 05 19	TG ARM(R) SPRING
88	1880 04 301	PINCH ROLLER ARM(F) ASS'Y
89	1880 04 03	P ARM(F) SPRING
90	1880 04 302	PINCH ROLLER ARM(R) ASS'Y
91	1880 04 04	P ARM(R) SPRING
95	1880 09 301	FLYWHEEL(F) ASS'Y
96	1880 09 08	FL METAL ASS'Y(F)
97	9182 00 00	C TAPPING SCREW M2×6
98	9999 70 07	HL WASHER CUT 1.8×4×0.5
99	9999 60 03	HL WASHER 2.3×3.8×0.3
100	1880 09 302	FLYWHEEL(R) ASS'Y
101	1880 09 21	FL METAL ASS'Y(R)
102	9999 70 06	HL WASHER CUT 1.55×3.5×0.5
103	9999 60 02	HL WASHER 2.1×3.5×0.3
104	9180 00 00	C TAPPING SCREW M2×4
108	1880 53 06	PC BOARD
109	6401 01 173	LEAF SW MTS-10250MVJO
110	6401 01 188	LEAF SW MSW-1699CF
111	6401 01 189	LEAF SW MSW-17944MVDO
112	6804 06 04	HALL IC LB9050TN
113	1880 53 03	IC PROTECTOR
114	6815 02 03	CONNECTOR TXL-P09PM1

V. PARTS LIST

MECHA BLOCK (R/P) TN-1800-244



MOTOR PULLEY HEIGHT

PULLEY No.		HEIGHT
1880 09 32	A	9.6 ±0.1
	B	3.6
	A	
	B	
	A	
	B	

V. PARTS LIST

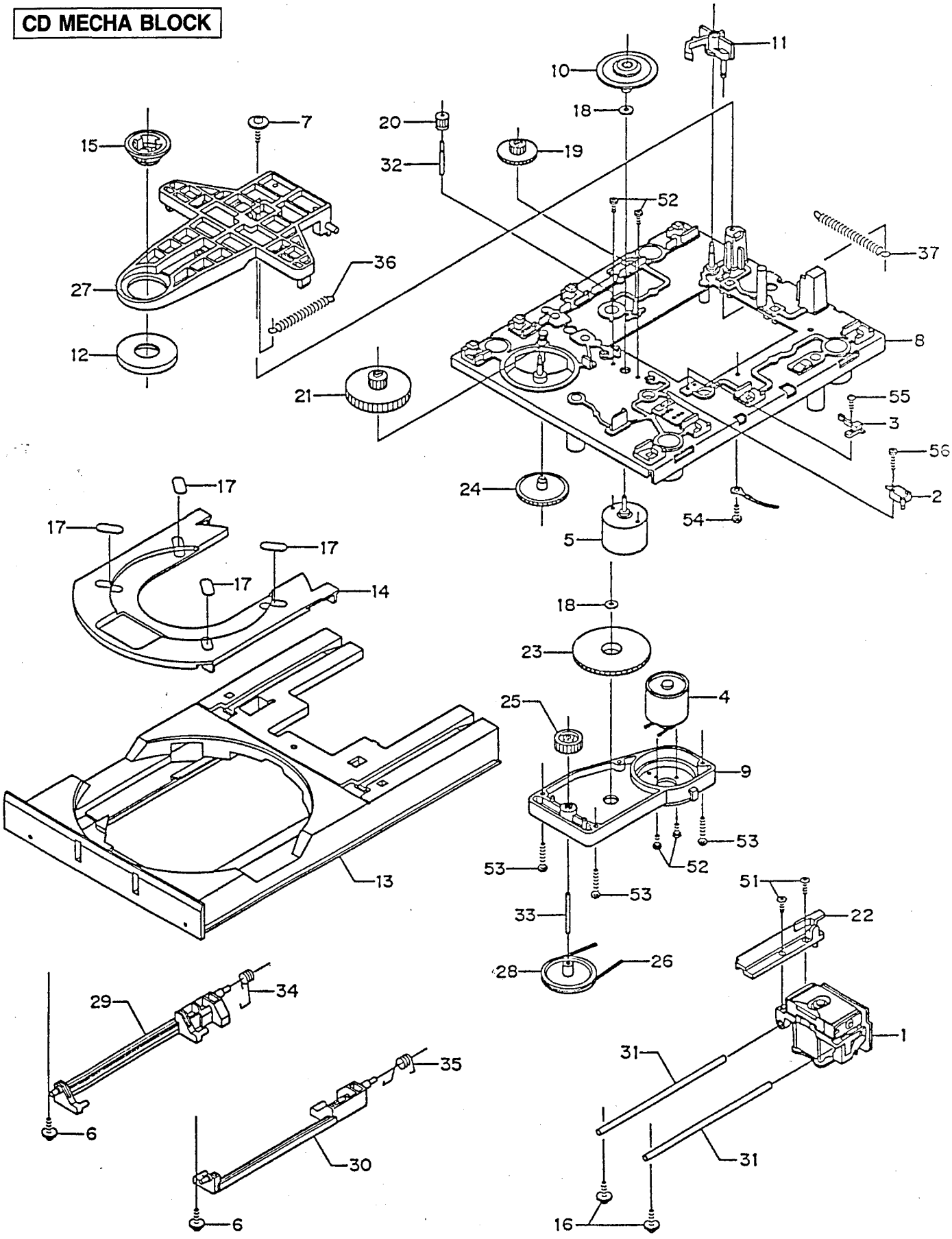
3. MECHA BLOCK (R/P)

Ref. No.	Part No.	Description
1	1880 01 501	CHASSIS ASS'Y
2	1880 01 02	PACK SPRING
3	9178 00 00	C TAPPING SCREW M2×3(SPECIAL)
4	1865 02 50A	TAPE GUIDE
5	1865 02 60	CLAMP SPRING(V)
6	1880 02 19	PANEL COLLAR(A)
7	1865 02 28	CHP LEVER COLLAR
8	1880 02 25	HEAD BASE
9	1865 02 28	RELAY BOARD
10	9999 18 02	HEAD COLLAR SCREW
11	1865 09 61	SPACER
12	1865 02 49	WIRE CLAMP
13	1880 02 01	HEAD PANEL(A)
14	1880 02 501	HEAD PANEL(B) ASS'Y
15	1880 02 04	RC SPRING
16	1880 02 05	PANEL SPRING
17	1880 02 06	CHP LEVER
18	1880 04 05	PINCH ROLLER SPRING
19	1880 04 05	HEAD YK14R-BA410
20	9078 00 00	TAMS SCREW M2×5
21	9547 00 00	SCREW(FOR CAMERA) M1.7×3
22	9999 20 20	S TAPPING TAMS SCREW M2× 5
23	1880 02 16	PANEL SPRING PLATE
24	9999 18 16	CUP(FOR CAMERA) S TAPPING SCREW M2×5
25	9117 00 00	BIND SCREW M2×5
26	1880 07 08	RF BELT
27	1880 07 302	RF CLUTCH ASS'Y
28	1865 02 52	GUIDE SCREW
31	1880 05 301	T REEL ASS'Y(F)
32	1880 05 302	T REEL ASS'Y(R)
33	1880 05 501	REEL BASE ASS'Y
34	1880 05 08	FF GEAR
35	1865 02 54	GUIDE SPRING
36	1880 05 17	FR TRIGGER ARM SPRING
38	1880 05 22	B.T SPRING(R)
39	9180 00 00	C TAPPING SCREW M2×4
40	9421 00 00	P WASHER CUT 1.2×3×0.25
41	9876 00 00	P WASHER CUT 2.1×5×0.5
42	9999 70 03	HL WASHER CUT 1.4×3.2×0.4
43	1880 05 15	RF TRIGGER ARM
45	1880 09 20	MAT
46	1821 12 66	MOTOR RUBBER
47	1851 14 18	MOTOR COLLAR SCREW
48	1880 09 10	MAIN BELT
49	1880 09 32	MOTOR PULLEY
50	1880 09 11	MOTOR BRACKET
51	6002 03 26	MOTOR EG530YD-2B
52	9180 00 00	C TAPPING SCREW M2×4
56	1880 01 06	M TRIGGER ARM SPRING
57	1880 21 15	M GEAR
58	1880 21 16	RF CAM GEAR
59	1880 21 03	M TRIGGER ARM
60	1880 21 05	PLUNGER
61	1880 21 06	PLUNGER HOLDER
62	1880 21 501	CH SLIDE LEVER ASS'Y
63	1880 21 08	CH SLIDE LEVER SPRING
64	1880 21 503	P KICK LEVER ASS'Y
65	1880 21 11	PK LEVER SPRING
66	1880 21 13	SOLENOID
67	9502 00 00	E RING ϕ2.0
68	9999 70 06	HL WASHER CUT 1.55×3.5×0.5
69	9999 70 04	HL WASHER CUT 2.1×5×0.4
70	1880 13 13	E STOPPER A(F)
71	1880 13 02	E STOPPER B(F)
74	1880 53 02	SW PROTECTOR
75	9180 00 00	C TAPPING SCREW M2×4

Ref. No.	Part No.	Description
79	1880 05 502	T GEAR ARM(F) ASS'Y
80	1880 05 36	T GEAR(A)
81	1880 05 18	TG ARM(F) SPRING
82	9421 00 00	P WASHER CUT 1.2×3×0.25
83	1880 05 503	T GEAR ARM(R) ASS'Y
84	1880 05 19	TG ARM(R) SPRING
88	1880 04 301	PINCH ROLLER ARM(F) ASS'Y
89	1880 04 03	P ARM(F) SPRING
90	1880 04 302	PINCH ROLLER ARM(R) ASS'Y
91	1880 04 04	P ARM(R) SPRING
95	1880 09 301	FLYWHEEL(F) ASS'Y
96	1880 09 08	FL METAL ASS'Y(F)
97	9182 00 00	C TAPPING SCREW M2×6
98	9999 70 07	HL WASHER CUT 1.8×4×0.5
99	9999 60 03	HL WASHER 2.3×3.8×0.3
100	1880 09 302	FLYWHEEL(R) ASS'Y
101	1880 09 21	FL METAL ASS'Y(R)
102	9999 70 06	HL WASHER CUT 1.55×3.5×0.5
103	9999 60 02	HL WASHER 2.1×3.5×0.3
104	9180 00 00	C TAPPING SCREW M2×4
108	1880 53 06	PC BOARD
109	6401 01 173	LEAF SW MTS-10250MVJO
110	6401 01 188	LEAF SW MSW-1699CF
111	6401 01 189	LEAF SW MSW-17944MVDO
112	6804 06 04	HALL IC LB9050TN
113	1880 53 03	IC PROTECTOR
114	6815 02 05	CONNECTOR T×L-P11PM1

V. PARTS LIST

CD MECHA BLOCK



V. PARTS LIST

4. MECHA BLOCK C.D.P (CDKM-87TK3)

Ref. No.	Part No.	Description
	14122729071000	WIRE BAND
1	1EA0A41A01300	PICK UP ASSY(SF-90)
2	42312070100	LEVER SW 1PIT
3	42319741700	LEAF SW
4	45279717610	MOTOR
5	45279718200	MOTOR
6	13124201282010	SCREW(B TITE SEMS)
7	13124201283000	SCREW(B TITE SEMS)Z
8	14103119286000	CHASSIS ASSY
9	14103129031000	CHASSIS SUB ASSY
10	14105229003000	TURNTABLE ASSY
11	14105559087000	ARM ASSY
12	14108619003000	MAGNET ASSY
13	14121149647020	TABLE LORD
14	14121149648000	TABLE CD
15	14123519838000	HOLDER DISK
16	14124219427000	SCREW WASHER
17	14124459513000	PAD DISK(FELT)
18	14124539143000	WASHER
19	14125519818000	GEAR PICK UP
20	14125519819000	GEAR MOTOR
21	14125519822000	GEAR TABLE LOAD
22	14125519823000	GEAR PICK UP RACK
23	14125519878000	GEAR LOAD UP
24	14125519879000	CEAR LOAD T.L
25	14125519880000	GEAR
26	14125649336000	BELT
27	14126229020000	FLAP DISK CRAMP
28	14126619086000	PULLEY
29	14127429122000	LEVER HOLD DISK L
30	14127429123000	LEVER HOLD DISK R
31	14127519883000	SHAFT PICK UP
32	14127519884000	SHAFT GEAR S
33	14127519912000	SHAFT PULLEY
34	14128529529000	SPRING LEVER LEFT
35	14128529530000	SPRING LEVER RIGHT
36	14128549438000	SPRING FLAP DISK CR
37	14128549439000	SPRING ARM
	14125229013000	TURNTABLE
	14124219367000	SET SCREW V CONE 2×4
51	SE3FN205R0SA-	FLT PCS 2×5
52	SE3PN173R0SM-	PAN PCS 1.7×3
53	SFBAN26140SE-	S-TPG BRZ 2.6×14
54	SFBAN306R0SE-	S-TPG BRZ 3×6
55	SFBPN206R0SE-	S-TPG PAN 2×6
56	ST3PN17100SM-	TPG PAN 2×6

5. P.C BOARD BLOCK

Ref. No.	Part No.	Description
1	PCSP-00930-21B	100T CD P.C BOARD(A2Q-093)
2	PCST-01030-31B	100T TUNER P.C BOARD(A3T-103)
3	PCST-00960-21B	100T FRONT P.C BOARD(A2T-096)
4	PCSA-01650-11B	100A MAIN POWER/TAPE P.C BOARD(A1A-165)
5	PCSQ-00950-21B	100A FRONT P.C BOARD (A2Q-095A-F)
6	PCSG-01050-31B	100A SUB P.C BOARD (A3G-105A-S) [E, V, B, S]
7	PCSG-01040-31B	100A SUB P.C BOARD (A3G-104) [U]
8	PCPE-01470-41B	REMOTE P.C BOARD(A4E-147)

6. CD P.C BOARD

Ref. No.	Part No.	Description
VC801	DDSV-00100-S10	D-VVC SVC211
D801	DDTS-00060-SO0	D-SI 1SS131
D802		
D803		
D804		
D805		
D806		
D807		
D808		
D811		
ZD801	DDTZ-G075B-SO0	D-ZENER MTZ7.5B
ZD802	DDTZ-G082C-SO0	D-ZENER MTZ8.2C
ZD803		
IC803	ICDG-00151-S10	IC LC7860KA
IC805	ICDG-00470-SQ0	IC GM76C28-10
IC806	ICDG-00590-SE0	IC KDA0316
IC804	ICLN-00720-S10	IC LA9200NM
IC807	ICOP-00130-SE0	IC MC4558S
IC808		
IC809		
IC810		
IC802	ICRG-00030-SD0	IC KIA 79L006P
IC801	ICRG-00040-SE0	IC MC7805C
L801	KIRO-00290-E10	COIL-REC OSC ARO029
X801	KTAL-00010-086	CRYSTAL HC-49/U 8.6436MHZ
Q801	TRTA-0008Y-SD0	TR KTA1266-Y
Q802		
Q804		
Q809	TRTA-0012Y-SD0	TR KTA966A-Y
Q810		
Q813		
Q814		
Q807	TRTC-0001B-SD0	TR KTC2878-B
Q816		
Q817		
Q803	TRTC-0016Y-SD0	TR KTC3198-Y
Q806		
Q808	TRTC-0039Y-SD0	TR KTC2236A-Y
Q811		
Q812		
Q815		
Q818	TRTD-00200-SD0	TR KTD-1302
Q819		
VR801	VFAB-A005B-103	R-SEMI FIXED RH0614C100-103 10KB
VR802	VFAB-A005B-104	R-SEMI FIXED RH0615C100 100KB
VR803	VFAB-A005B-473	R SEMI FIXED RH0615C100 47KB
VR804	VFAB-A005B-223	R-SEMI FIXED RH0615C100 22KB

V. PARTS LIST

7. TUNER P.C BOARD

Ref. No.	Part No.	Description
BF101	BTBP-00011-BPM	FILTER MICA PRINT
		BPMB6A
F101	BTCE-00040-107	FILTER CERAMIC SFE 10.7MS2A
	BTCE-00150-107	FILTER CERAMIC SFE 10.7MJA
		([V]only)
F103	BTCE-00092-107	FILTER CERAMIC
		SFE 10.7MA5L-A [E, B, S, U]
F102	BTCE-00130-004	FILTER CERAMIC SFU 450B
VD101	DDSV-0003A-S30	D-VVC
VD102		1SV149A
VD103		
VD104		
D107	DDTR-00020-SD0	D-RECTIFIER
D108		1N4002
D101	DDTS-00030-SO0	
D102		D-SI
D103		1S2471
D104		
D105		
D106		
D109		
D181	DDTS-00100-SO0	D-SI
D182		1SS135 [SW]
ZD102	DDTZ-G051B-SO0	D-ZENER MTZ5.1B
ZD101	DDTZ-G075B-SO0	D-ZENER MTZ7.5B
IC102	ICDG-00460-S30	IC TC9227P
IC103	ICLN-00070-SD0	IC KIA7343P
IC101	ICLN-00100-SD0	IC
		KIA7758P
T103	IFAA-00130-E20	IFT-AM
		AAA013
T105	IFAD-00040-E20	IFT-AM
		AAD004
T104	IFFD-00070-E20	IFT-FM DET
		AFD007
T106	KIAO-00240-E20	COIL-AM OSC
		AAO024 MW
T107	KIAO-00250-E20	COIL-AM OSC
		AAO025 LW
	KIAO-00260-E20	AAO-026 SW
T102	KIAT-00300-E20	COIL-AM ANT
		AAT030 LW
	KIAT-00370-E20	AAT-037 SW
T101	KIAT-00350-E20	COIL-AM ANT
		AAT035 MW
L101	KIFK-00050-E40	COIL-FM CHOKE
		AFK-005
T109	KIML-00020-E20	COIL-FM MPX FILTER
T110		AMA002
TE101	TEAT-00051-03R	TERMINAL ANTENNA
		AK1/2-1058A
Q106	TRTA-0008G-SD0	TR
Q108		KTA1266-GR
Q111		
Q117		
Q119		
Q116	TRTA-0043E-SOS	TR
		DTA114E-S
Q104	TRTC-0001B-SD0	TR
Q105		KTC2878-B
Q112	TRTC-0010Y-SD0	TR
		KTC1923-Y
Q101	TRTC-0016G-SD0	TR
Q102		KTC3198-GR
Q107		
Q109		
Q110		
Q113		
Q114		
Q115		
Q118		
Q120	TRTC-0061E-SOS	TR
		DTC124E-S
FE101	TUFF-00110-00D	FRONT END
		SE-1030H4
TC101	VCTC-00022-300	TR IMMER
TC102		CVCN06C300
SV101	VFAB-A005B-472	R-SEMI FIXED
		RH0615C100-472
		4.7KB

8. FRONT P.C BOARD

Ref. No.	Part No.	Description
D201	DDTS-00030-SO0	D-SI
D202		1S2471
D204		
D205		
D206		
D207		
D208		[SW]
D209		
D212		
D213		
D214		
D215		
D216		
L1	DPLA-00140-00L	LAMP
L2		110mA12V
L201		
L202		
LD201	DPLC-00090-00T	DISPLAY-LCD
		HDL7332-5A2P02GA
LD701	DPLC-00100-00P	DISPLAY-LCD
		HDL7333-5A6R022A
IC202	ICHY-00070-SS0	IC
		GP1U 701R
IC202	ICMP-00170-S30	IC TC9306F-027BS/
		TC9306F-052
IC701	ICMP-00500-S10	IC
		LC5864H-1435
ZX201	KTAL-00040-072	CRYSTAL
		HC-49/U 7.2MHZ
XL701	KTRE-00090-040	RESONATOR
		CST4.00MGW
SW201	SWTA-00120-060	SWITCH-TACT
SW202		KHH10910L0
SW203		
SW204		
SW205		
SW206		
SW207		
SW208		
SW209		
SW210		
SW211		
SW212		
SW213		
SW214		
SW215		
SW216		
SW701		
SW702		
SW703		
SW704		
SW705		

V. PARTS LIST

9. MAIN POWER P.C BOARD

Ref. No.	Part No.	Description
D959	DDMR-00210-T11	D-RECTIFIER
D960		1N5402
D961		
D962		
D963	DDTR-00020-SD0	D-RECTIFIER
D964		1N4002
D965		
D966		
D967		
D968		
D969		
D970		
D971		
D972		
D973		
D974		
D951	DDTS-00030-SO0	D-SI
D975		1S2471
D976		
D977		
D978		
D979		
D980		
ZD951	DDTZ-G0560-SO0	D-ZENER
		MTZ5.6
F902	FGFB-S1252-137	FUSE
F903		T 250V 1.25A
F904	FGFB-S1602-137	FUSE T 250V 1.6A
F905	FGFB-S2502-137	FUSE T 250V 2.5A (U)
IC951	ICHP-00090-S10	IC
		STK4132II
IC955	ICRG-00160-SE0	IC
IC956		MC7809C
IC953	ICRG-00190-SE0	IC MC7912C
IC952	ICRG-00217-SE0	IC
IC954		MC7812C
L951	KIBK-00050-E40	COIL-AUDIO CHOCK
L952		ABK005
R1003	RCMM-JR22K-400	R-CEMENT
R1005		2W 0.22ohm
R1007	RFUZ-F560J-120	R-FUSIBLE 1/4W 56ohm
R1013	RFUW-F1ROJ-120	R-FUSIBLE
R1014		1/4W 1ohm
R1018	RFUW-F2R2J-120	R-FUSIBLE 1/4W 2.2ohm
R959	RFUZ-F470J-001	R-FUSIBLE 1/4W 47ohm
R996		
R993	RFUW-G1R0J-130	R-FUSIBLE
R994		1/2W 1ohm
R991	RMOH-H332J-030	R-METAL OXIDE
R992		1W 3.3Kohm
R1004	RMOH-H4R7J-03F	R-METAL OXIDE
R948		1W 4.7ohm
R963		
R969		
JK951	SKPH-00162-66W	SOCKET-PHONE
		HTJ064-04A
JK952	SKPH-00163-660	SOCKET-PHONE
		HTJ064-04B
Q957	TRTA-0008Y-SD0	TR
Q964		KTA1266-Y
Q966		
Q958	TRTA-0012Y-SD0	TR
Q959		KTA966A-Y
Q951	TRTA-0044W-SOS	TR
		DTA144W-S
Q965	TRTC-0001B-SD0	TR
		KTC2878-B
Q1021	TRTC-0016Y-SD0	TR
Q954		KTC3198-Y
Q956		
Q963		
Q955	TRTC-0039Y-SD0	TR
		KTC2236A-Y
Q952	TRTC-0060E-SOS	TR
Q953		DTC144E-S
Q960	TRTC-0061E-SOS	TR
		DTC124E-S

10. TAPE P.C BOARD

Ref. No.	Part No.	Description
D311	DDTR-00020-SD0	D-RECTIFIER
		1N4002
D301	DDTS-00030-SO0	D-SI
D302		1S2471
D303		
D304		
D305		
D306		
D307		
D308		
D309		
D310		
ZD451	DDTZ-G0510-SO0	D-ZENER
ZD452		MTZ5.1
IC451	ICCM-00170-SQ0	IC
IC452		GD4052B
IC302	ICDG-00370-S20	IC
		uPD1330HA
IC301	ICLN-00120-SD0	IC
		KIA7784P
IC303	ICLN-00370-S40	IC DOLBY
		CXA1102P
IC304	ICOP-00130-SE0	IC
		MC4558S
IC453	ICOP-00131-SE0	IC
IC501		MC4558C
L305	KIBK-00090-E20	COIL AUDIO CHOCK
L306		ABK009
T301	KIRO-00180-E20	COIL-REC OSC
		ARO018
L303	KIRP-00040-E20	COIL REC TRAP
L304		ARP004
L301	KIRP-00050-E20	COIL REC TRAP
L302		ARP005
FR301	RFUW-F2R2J-120	R-FUSIBLE
		1/4W 2.2ohm
FR302	RFUW-F4R7J-120	R-FUSIBLE
		1/4W 4.7ohm
JK301	SKRC-00021-040	SOCKET-RCA
		AP4-0032A
SW301	SWSL-00128-012	SWITCH-SLIDE
		00120050
Q310	TRTA-0008G-SD0	TR
Q312		KTA1266-GR
Q327	TRTA-0009Y-SD0	TR
		KTA1271-Y
Q326	TRTC-0008Y-SD0	TR
		KTC2120-Y
Q301	TRTC-0016G-SD0	TR
Q302		KTC3198-GR
Q303		
Q304		
Q305		
Q306		
Q307		
Q308		

V. PARTS LIST

Ref. No.	Part No.	Description
Q309		
Q311		
Q315		
Q316		
Q317		
Q318		
Q319		
Q320		
Q322		
Q323		
Q324		
Q325		
Q328		
Q329		
Q330		
Q331		
Q334		
Q337		
Q338		
Q339		
Q340		
Q341		
Q342		
Q343		
Q344	TRTC-0061E-SOS	TR
Q345		DTC124E-S
Q314	TRTC-0062E-SOS	TR
		DTC114E-S
Q313	TRTC-0075T-SOS	TR
		DTC114T-S
Q321	TRTD-00200-SD0	TR
Q332		KTD-1302
Q333		
VR305	VFAB-A005B-104	R-SEMI FIXED
VR306		RH0615C100 100KB
VR301	VFAB-A005B-223	R-SEMI FIXED
VR302		RH0615C100 22KB
VR303		
VR304		
VR307		
VR308		

11. FRONT P.C BOARD

Ref. No.	Part No.	Description
D802	DDTR-00020-SD0	D-SI
D803		1N4002
D804		
D805		
D751	DDTS-00030-SO0	D-SI
D752		1S2471
D801		
D806		
D807		
D808		
D851		
D852		
D853		
D854		
D855		
D856		
D857		
D858		
D901		
ZD701	DDTZ-G0560-SO0	D-ZENER
		MTZ5.6
ZD801	DDTZ-G082C-SO0	D-ZENER
		MTZ8.2C
ZD901	DDTZ-G0910-SO0	D-ZENER
		MTZ9.1

Ref. No.	Part No.	Description
L901	DPLA-00140-00L	LAMP
L902		110mA12V
Z901	DPLC-00091-00E	DISPLAY-LCD
		HDL7331-5A2P02GA
LD944	DPLT-00352-DY2	DOT-LED
		DLA-215D
LD833	DPLT-00362-RR2	DOT-LED
LD943		DLR-215D
LD931	DPLT-00372-RR3	DOT-LED
LD932		DLAR-304D-2
LD933		
LD934		
LD935		
LD936		
LD831	DPLT-00382-DY3	DOT-LED
LD832		DLA-304D
LD834		
LD835		
LD938		
LD939		
LD940		
LD941		
LD942		
IC751	ICCM-20200-SH0	IC
IC752		MB 88306
IC702	ICDG-00140-S10	IC
		LC7520
IC931	ICDG-00240-S10	IC
		LC7561
IC801	ICDG-00560-SB0	IC
		BA6208
IC754	ICDG-00600-T90	IC
		S-8054 ALB
IC701	ICLN-00710-S90	IC
IC703		M5229P
IC753	ICMP-00520-S20	IC
		uPD75108GF R30-3BE
IC851	ICOP-001210-SE0	IC
IC852		LM324
IC932	ICOP-00131-SE0	IC
		MC4558C
X701	KTRE-00030-041	RESONATOR
		CSA4.19MG
AR801	NERX-J0044-103	NETWORK-RESISTOR
AR802		RGLD4-103J
AR701	NERX-J0047-105	NETWORK-RESISTOR
AR702		RGLD7-105J
R804	RMOH-H820J-030	R-METAL OXIDE
		1W 82ohm
SW837	SWPU-00301-038	SWITCH-PUSH
SW839		00220014
SW903		
SW844	SWSL-00490-054	SWITCH-SLIDE
		KSA2340C
SW831	SWTA-00120-060	SWITCH-TACT
SW832		KHH10910L0
SW833		
SW834		
SW835		
SW836		
SW838		
SW840		
SW841		
SW842		
SW843		
SW901		
SW902		
Q703	TRTA-0008Y-SD0	TR
		KTA1266-Y
Q801	TRTA-0012Y-SD0	TR
		KTA966A-Y

V. PARTS LIST

Ref. No.	Part No.	Description
Q804		
Q809		
Q810		
Q811		
Q813		
Q815		
Q803	TRTA-0042E-SOS	TR
Q806		DTA124E-S
Q701	TRTC-0001B-SD0	TR
Q702		KTC2878-B
Q818	TRTC-0008Y-SD0	TR
		KTC2120-Y
Q819		
Q802	TRTC-0016Y-SD0	TR
Q805		KTC3198-Y
Q921		
Q808	TRTC-0060E-SOS	TR
		DTC144E-S
Q751	TRTC-0061E-SOS	TR
Q752		DTC124E-S
Q812	TRTC-0062E-SOS	TR
Q814		DTC114E-S
Q816		
Q817		
Q901	TRTC-0094Y-SD0	TR
		KTC3199-Y
VR801	VFAB-A005B-222	R
VR802		RH065C100 2.2KB
VR803		
VR804		
VR921	VRAE-D018C-203	VR ROTARY
		RK12K 1130-20KC
VR902	VRAE-D019W-104	VR-ROTARY
		RK12K 1170-100KW
VR701	VWBD-F001B-104	VR-W/MOTOR
		RK14112MA-100KB×2

12. SUB P.C BOARD

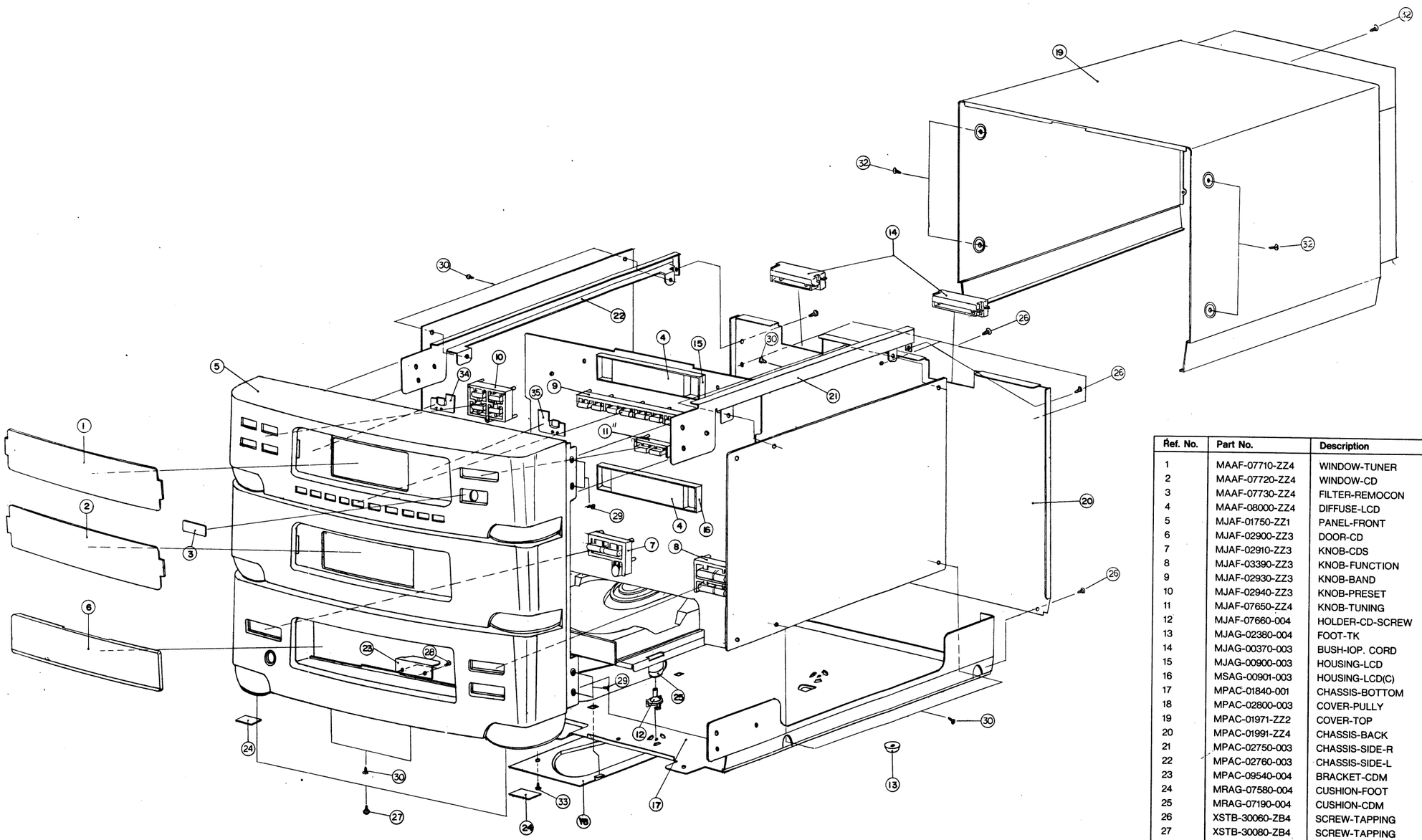
Ref. No.	Part No.	Description
	DDTR-00020-SD0	D-SI
		1N4002
D954		
D955		
D956		
D957		
D958		
D953	DDTS-00030-SO0	D-SI
		1S2471
D952		
RY951	ESRY-00010-120	RELAY
		HR-703V
RY952	ESRY-00040-121	RELAY
		VS12SMCU5VD8
F901	FGFB-S1252-137	FUSE GLASS
		T 250V 1.25A [E, V, U]
F901	FGFB-S1002-137	FUSE GLASS
		T 250V 1A [B, S]
F906	FGFB-S2502-137	FUSE GLASS
		T 250V 250V 2.5A [U]
IC957	ICRG-00040-SE0	IC
		MC7805C
	PTAC-00840-Y18	TRANS-POW A35-084Y-V
		[E, V] (SUB)
	PTAC-00840-Z1B	TRANS-POW A35-084Z-B [S, B]
	PTAC-00840-41V	TRANS-POW A35-084BX-V [U]
	PTAC-008400-C31	TRANS-POW A35-084C-U
		[U] (127V only)
	TESP-00010-08P	TERMINAL SPEAKER
		AU8-2021
Q961	TRTC-0008Y-SD0	TR
Q962		KTC2120-Y

13. REMOTE P.C BOARD

Ref. No.	Part No.	Description
CX001	KTRE-00060-004	RESONATOR
		CSB455E
Q001	TRSC-0016G-SD0	TR
		KTC3198 GR
ID001	DPIR-00021-005	DOT IR LED
		KLN105B-B
IC001	ICMP-00220-S20	IC
		UPD6122G-001
D001	DDTS-00050-SB0	D-SI
		1S2473
D002		
D003		

V. PARTS LIST

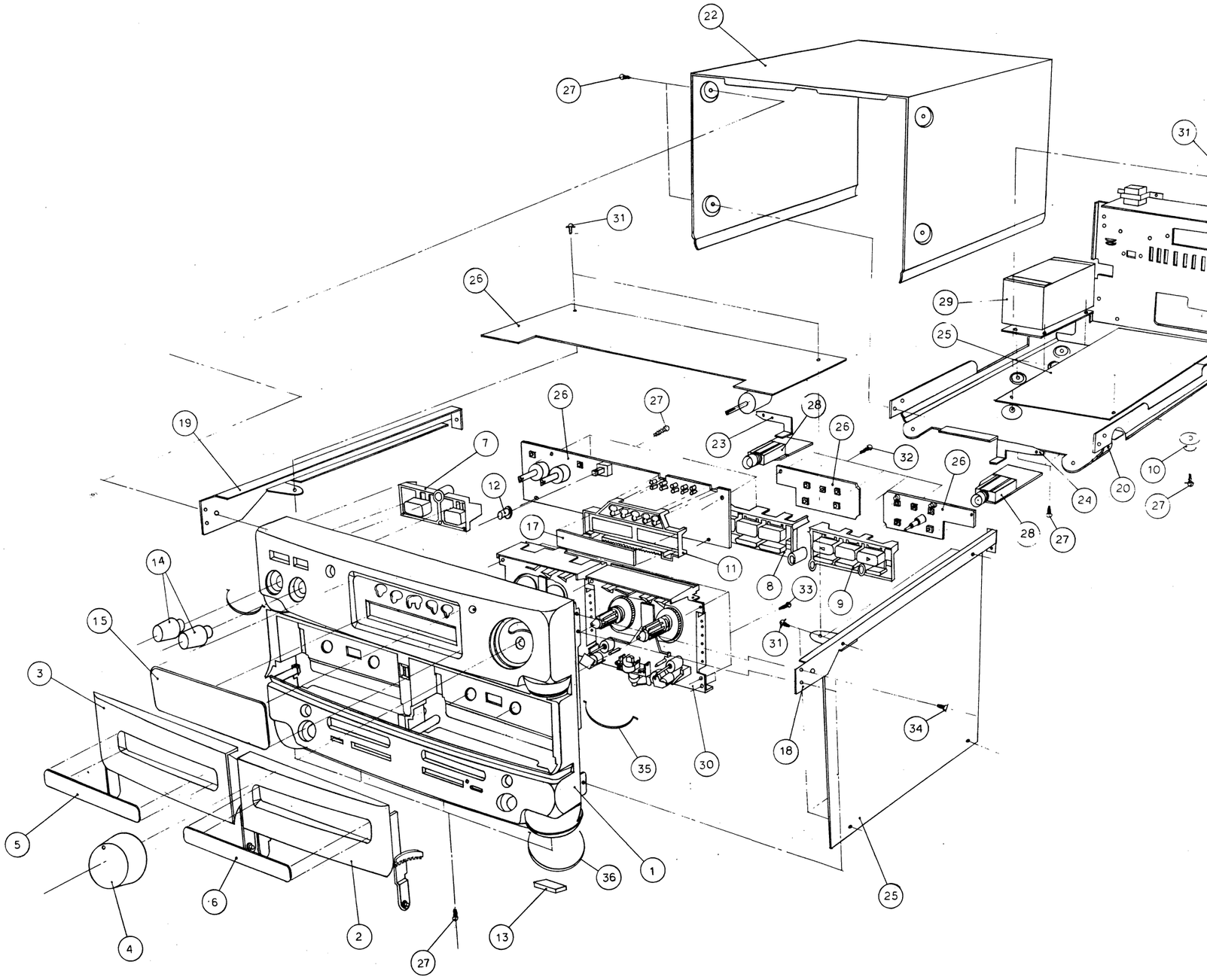
14. 100T FINAL ASSEMBLY



Ref. No.	Part No.	Description
1	MAAF-07710-ZZ4	WINDOW-TUNER
2	MAAF-07720-ZZ4	WINDOW-CD
3	MAAF-07730-ZZ4	FILTER-REMOCON
4	MAAF-08000-ZZ4	DIFFUSE-LCD
5	MJAF-01750-ZZ1	PANEL-FRONT
6	MJAF-02900-ZZ3	DOOR-CD
7	MJAF-02910-ZZ3	KNOB-CDS
8	MJAF-03390-ZZ3	KNOB-FUNCTION
9	MJAF-02930-ZZ3	KNOB-BAND
10	MJAF-02940-ZZ3	KNOB-PRESET
11	MJAF-07650-ZZ4	KNOB-TUNING
12	MJAF-07660-004	HOLDER-CD-SCREW
13	MJAG-02380-004	FOOT-TK
14	MJAG-00370-003	BUSH-IOP. CORD
15	MJAG-00900-003	HOUSING-LCD
16	MSAG-00901-003	HOUSING-LCD(C)
17	MPAC-01840-001	CHASSIS-BOTTOM
18	MPAC-02800-003	COVER-PULLY
19	MPAC-01971-ZZ2	COVER-TOP
20	MPAC-01991-ZZ4	CHASSIS-BACK
21	MPAC-02750-003	CHASSIS-SIDE-R
22	MPAC-02760-003	CHASSIS-SIDE-L
23	MPAC-09540-004	BRACKET-CDM
24	MRAG-07580-004	CUSHION-FOOT
25	MRAG-07190-004	CUSHION-CDM
26	XSTB-30060-ZB4	SCREW-TAPPING
27	XSTB-30080-ZB4	SCREW-TAPPING
28	XSTB-30080-ZY4	SCREW-TAPPING
29	XSTF-30060-ZY4	SCREW-TAPPING
30	XSTF-30080-ZB4	SCREW-TAPPING
31	XSTS-30080-ZY4	SCREW-TAPPING
32	XSTS-30080-ZB8	SCREW-TAPPING
33	XSTB-30060-ZY4	SCREW-TAPPING
34	MPAC-10470-004	BRACKET-LAMP-L
35	MPAC-10480-004	BRACKET-LAMP-R
36	DECA-00270-002	C.D.P MECHANI SM CDKM87 TK3

V. PARTS LIST

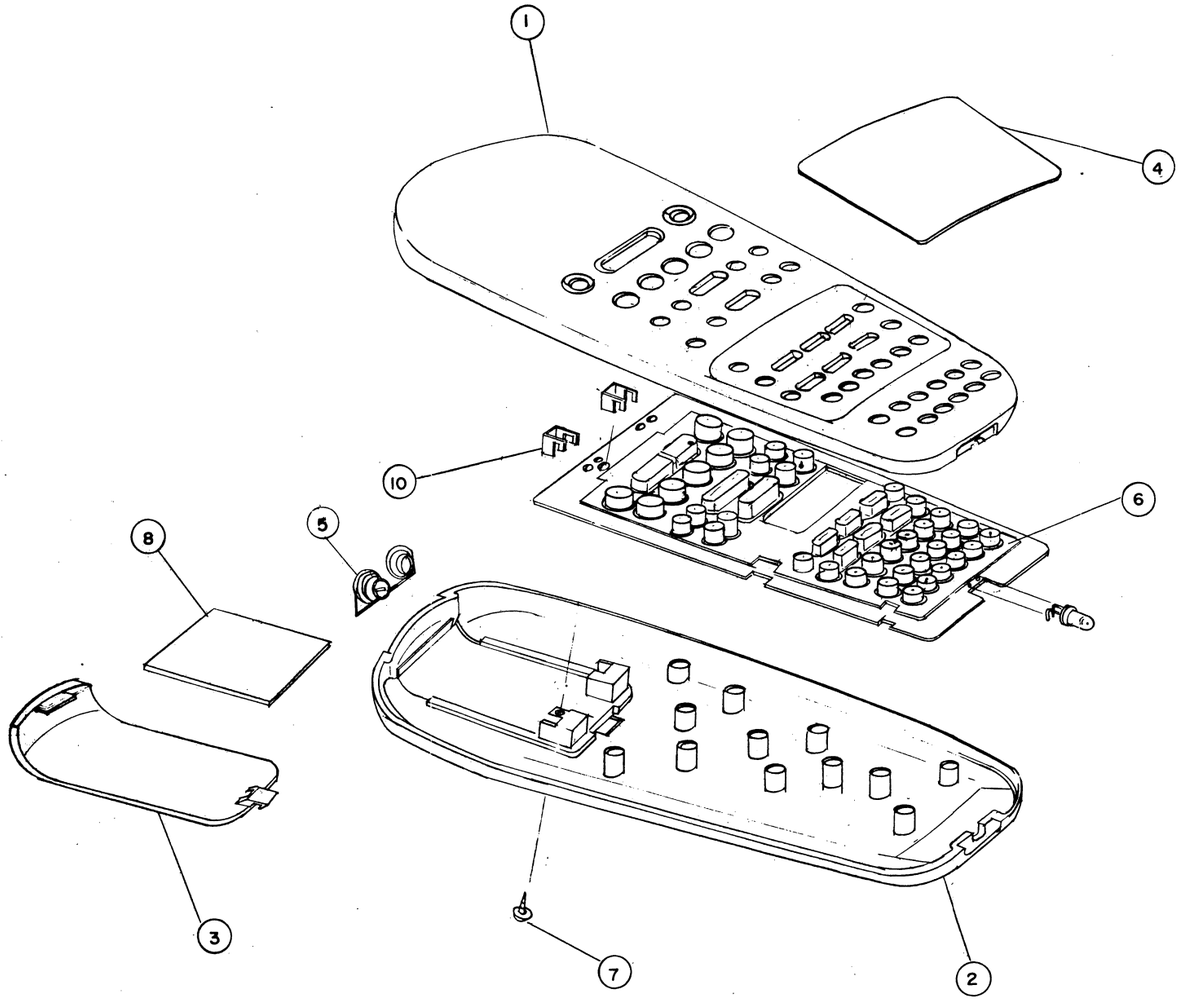
15. 100A FINAL ASSEMBLY



Ref. No.	Part No.	Description
1	MJAF-01770-ZZ1	PANEL-FRONT
2	MFAF-01410-ZZ2	DOOR-CASTE-B
3	MJAF-01400-ZZ2	DOOR-CASTE-B
4	MJAF-07760-ZZ4	KNOB-VOLUME
5	MAAF-07970-ZZ4	WINDOW-CASTE-A
6	MAAF-07980-ZZ4	WINDOW-CASTE-B
7	MJAF-02980-ZZ3	KNOB-PWR-INPUT
8	MJAF-02960-ZZ3	KNOB-DECK-A
9	MJAF-02970-ZZ3	KNOB-DECK-B
10	MJAG-02380-004	FOOT-TK
11	MJAG-02990-003	GUIDE-LCD
12	MJAF-07850-ZZ4	KNOB-PUSH-A
13	MRAG-07580-004	CUSHION-FOOT
14	MJAF-07880-002	KNOB-M/BALANCE
15	MAAF-07960-ZZ4	WINDOW-LCD
16	MJAG-00180-002	COVER-RADIATAR
17	MAAF-07480-ZZ4	REFLECTOR-LEVEL
18	MPAC-02890-003	CHASSIS-SIDE-R
19	MPAC-02860-003	CHASSIS-SIDE-L
20	MPAC-01850-001	CHASSIS-BOTTOM
21	MPAC-01300-ZZ2	CHASSIS-BACK
22	MPAC-01970-ZZ2	COVER-TOP
23	MPAC-09520-004	BRACKET P/JACK-L
24	MPAC-09521-004	BRACKET P/JACK-R
25		PCB-MAIN
26		PCB-FRONT
27	BHT2T 3×18 FE-ZB	SCREW-TAPPING
28		HAED-PHONE-JACK
29	PTAJ-00550-Y18	TRANSFORMER-POWER
30	DECA-00270-002	TN1800-244 MECHA CASSETTE (R/P)
31	PHWT2T 3×8 FE-ZY	SCREW-TAPPING
32	PHT2T 25×8 FE-ZY	SCREW-TAPPING
33	BHT2T 3×10 FE-ZY	SCREW-TAPPING
34	FHT2T 3×6 FE-ZY	SCREW-TAPPING
35	MMAC-09420-ZZ4	RING-FOOT-A
36	MMAC-09970-ZZ4	RING-FOOT-C
37	DECA-00260-002	TN1800-243P MECHA CASSETTE (PLAY ONLY)

V. PARTS LIST

REMOTE ASSEMBLY



16. REMOTE ASSEMBLY

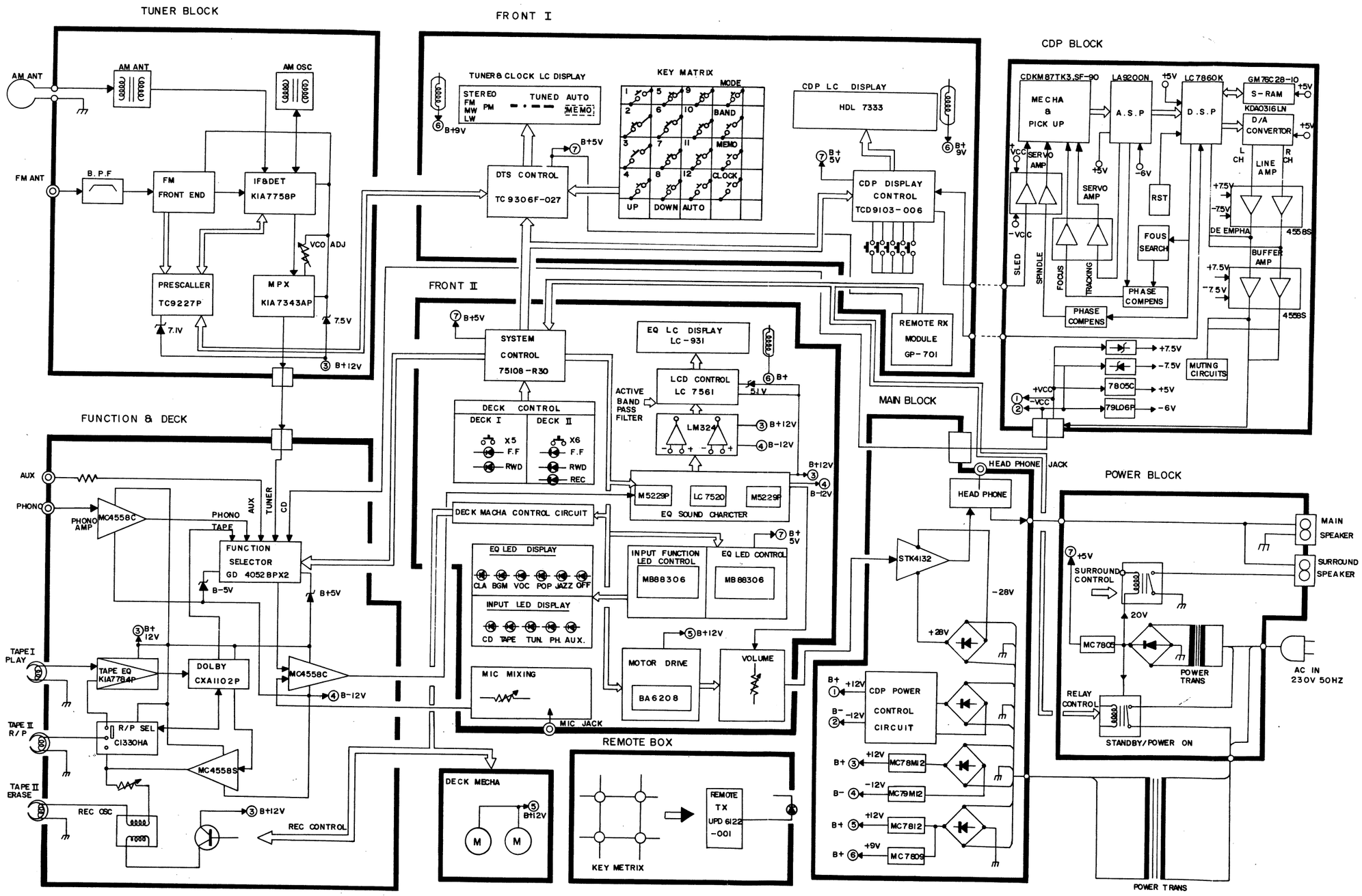
Ref. No.	Part No.	Description
1	MJAF-01340-ZZ2	COVER-UPPER
2	MJAF-01350-ZZ2	COVER-BOTTOM
3	MJAF-02860-ZZ3	COVER-BATTERY
4	MLAC-09372-ZZ4	PLATE-NAME
5	MPAC-10580-004	BATTERY-SPRING
6	MRAF-01362-ZZ2	PAD-KEY
7	XSTP-25060-ZZ4	SCREW-TAPPING
8	YSAP-09860-004	CUSHION BATTERY
9	YUAP-09640-004	POLY-BAG
10	MMAC-09350-004	TERMINAL-CHARGE

NOTE :
Parts will not be supplied if they are not listed in the parts list even if they appear on the assembling illustrations with reference No.

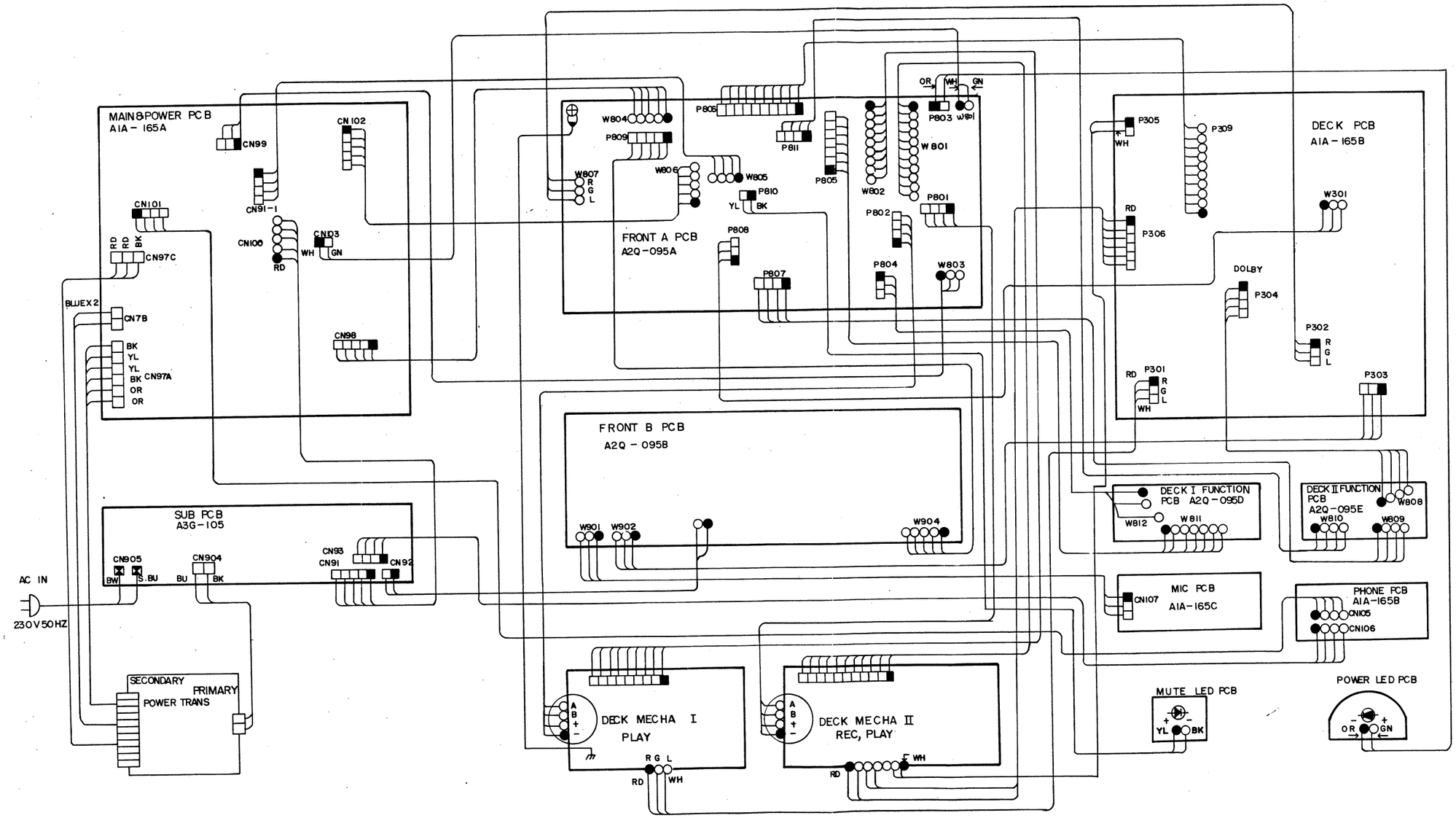
17. ACCESSARY

Ref. No.	Part No.	Description
1	ANTL-00060-E50	ANT LOOP AAN007
2	ANTT-00090-075	ANT-T AFN009

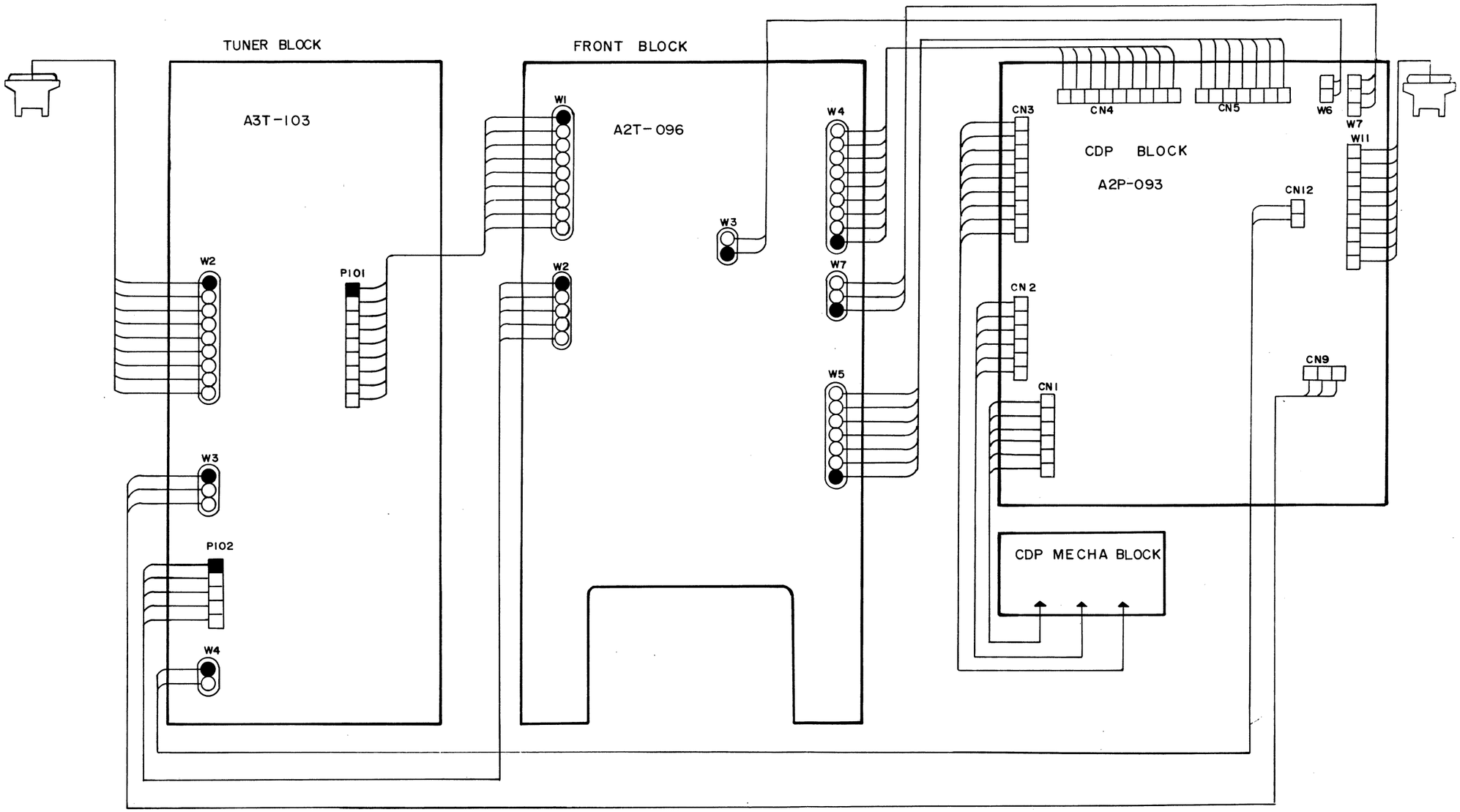
VI. BLOCK DIAGRAM



VII. WIRING DIAGRAM (AC-MX100A)



VII. WIRING DIAGRAM (AC-MX100T)



VII. WIRING DIAGRAM (AC-MX100T CD MAIN TOP)

CN1: LEAD WIRE

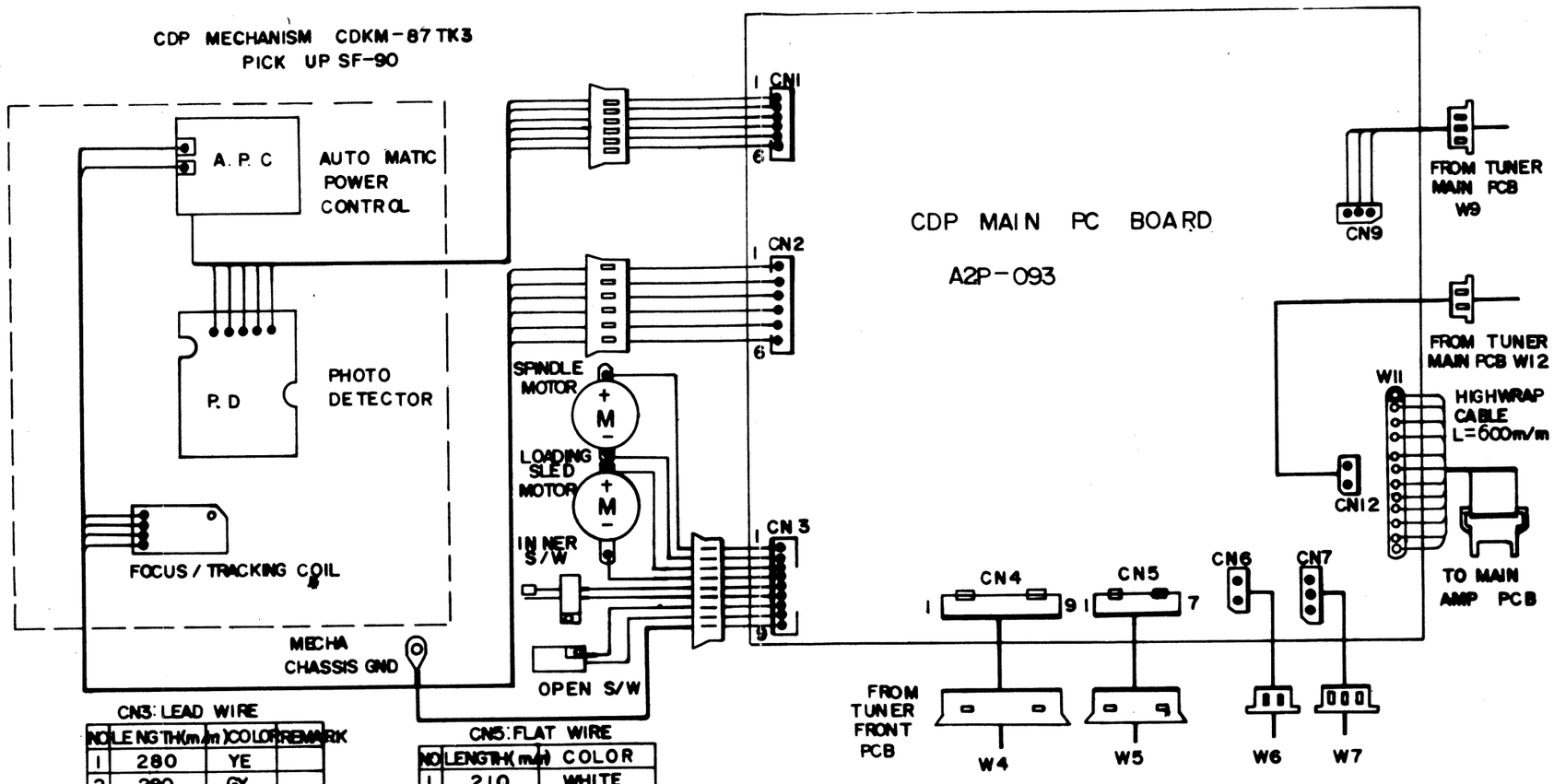
NO	LENGTH(m/m)	COLOR
1	300	GR
2	300	YE
3	300	OR
4	300	RE
5	300	BR
6	300	BK

CN2: LEADWIRE

NO	LENGTH(m/m)	COLOR
1	270	BK
2	270	RE
3	270	BR
4	270	VI
5	270	WH
6	270	GY

· CN4: FLAT WIRE

NO	LENGTH(m/m)	COLOR
1	210	WHITE
2	210	YELLOW
3	210	YELLOW
4	210	YELLOW
5	210	YELLOW
6	210	YELLOW
7	210	YELLOW
8	210	YELLOW
9	210	YELLOW



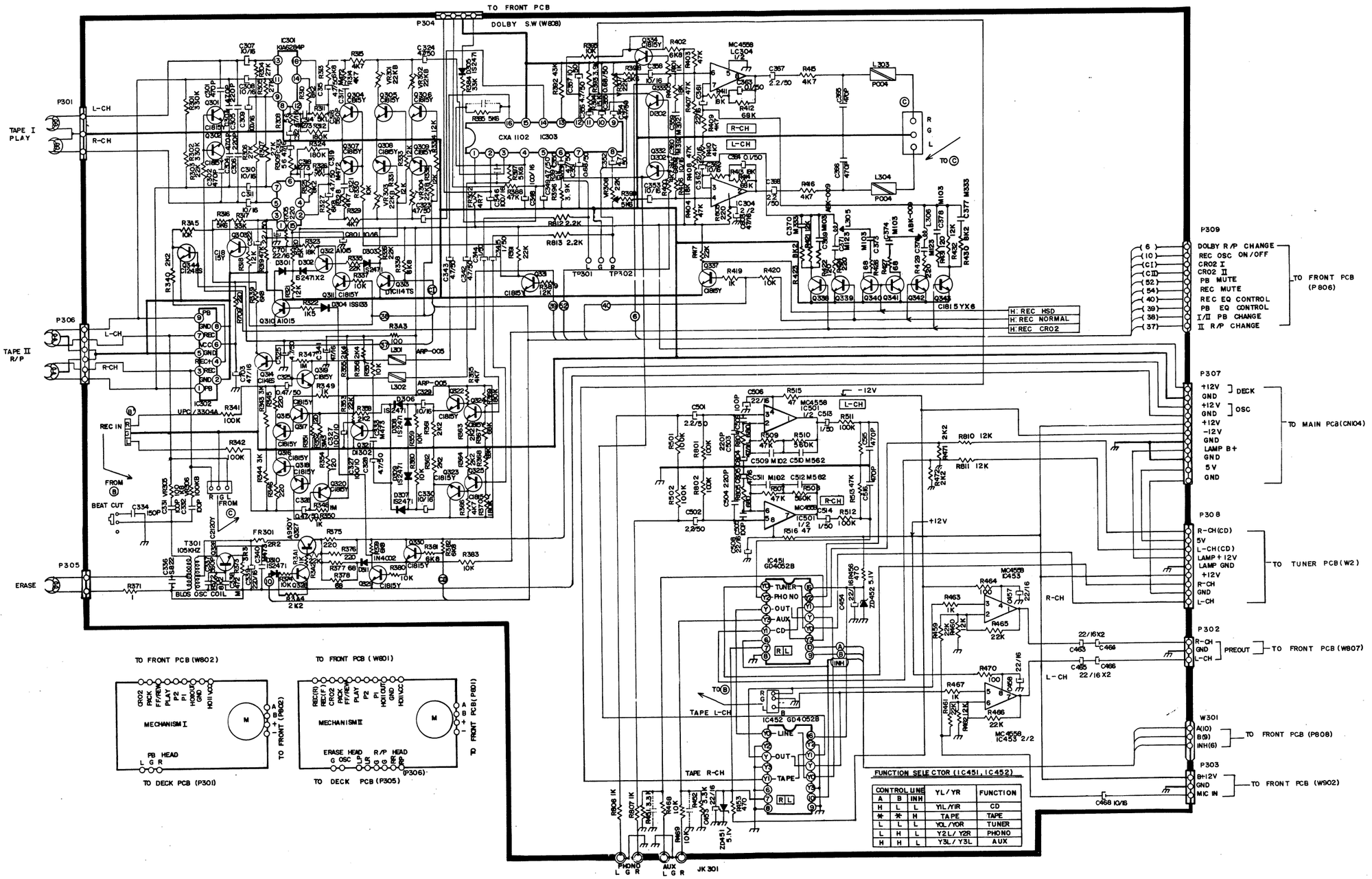
CN3: LEAD WIRE

NO	LENGTH(m/m)	COLOR	REMARK
1	280	YE	
2	280	GY	
3	420	RE	
4	420	WH	
5	260	BL	
6	260	BL	
7	260	OR	
8	260	OR	
9	260	GR	W/LUG

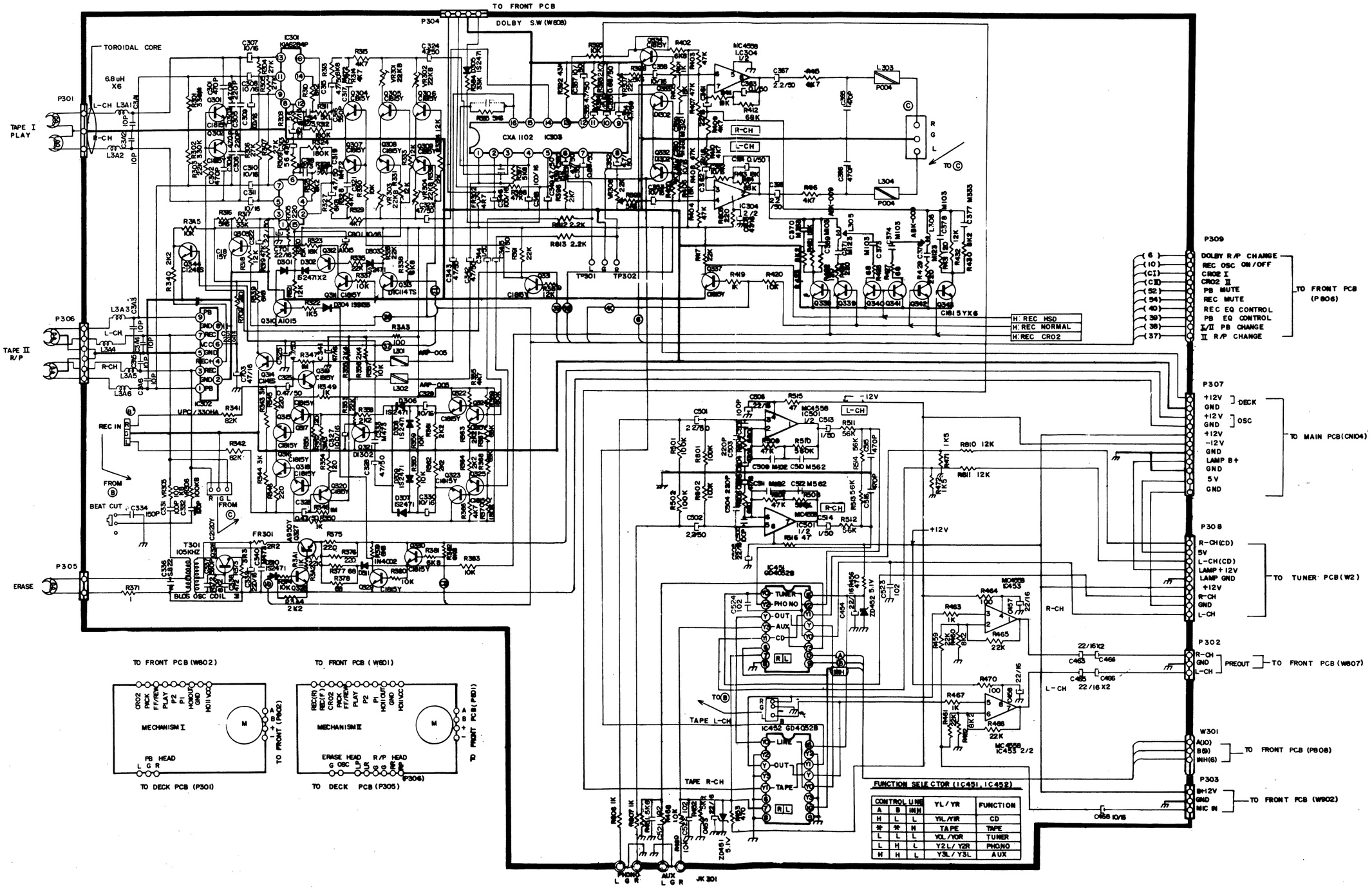
CN5: FLAT WIRE

NO	LENGTH(m/m)	COLOR
1	210	WHITE
2	210	GREEN
3	210	GREEN
4	210	GREEN
5	210	GREEN
6	210	GREEN
7	210	GREEN

VIII. SCHEMATIC DIAGRAM (AC-MX100A DECK) E B S U

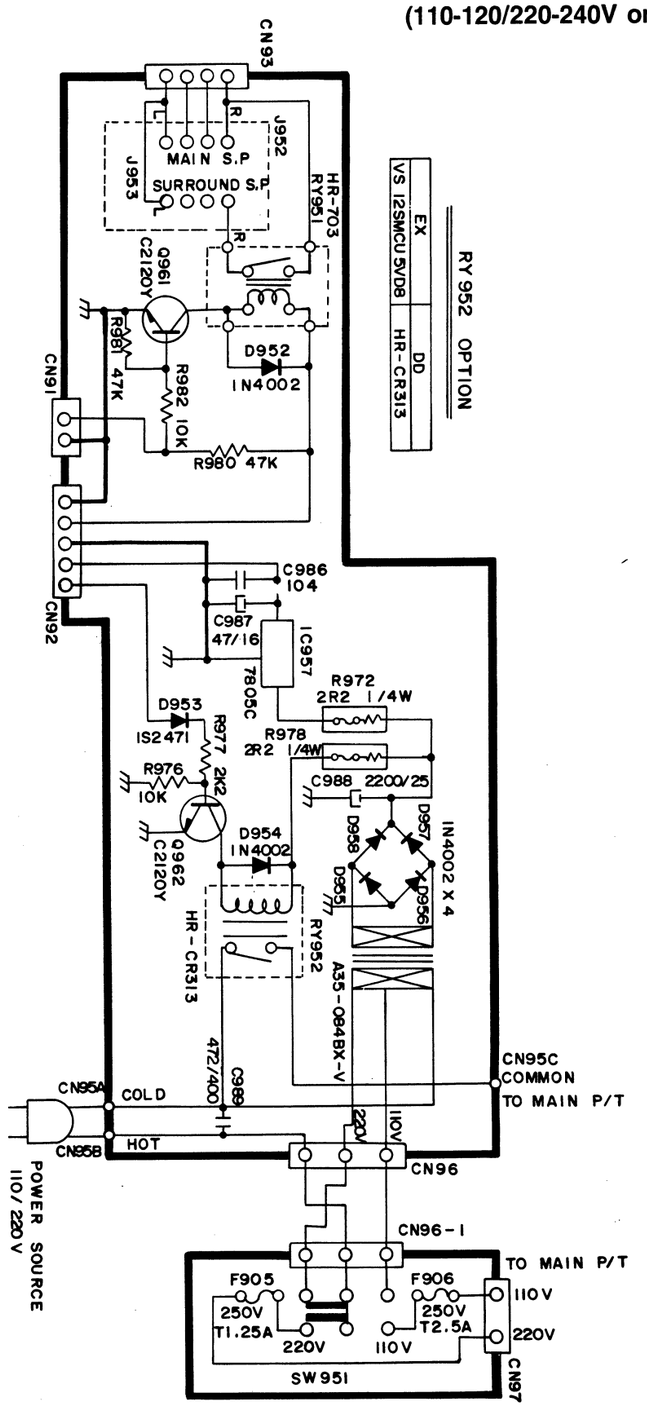


VIII. SCHEMATIC DIAGRAM (AC-MX100A DECK) [V] only

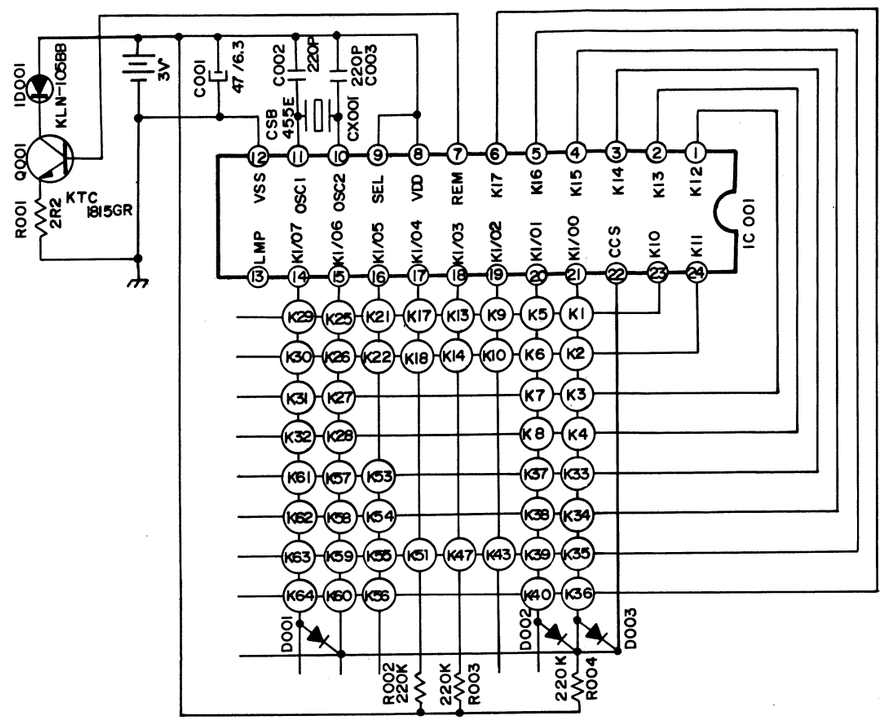


VIII. SCHEMATIC DIAGRAM (AC-MX100A DUAL VOLTAGE) U

(110-120/220-240V only)



VIII. SCHEMATIC DIAGRAM (REMOTE)



K1. CD ▭

K2. FUNCTION TUNER

K3. 6

K4. TAPE II REC PAUSE

K5. FUNCTION TAPE

K6. CD D/▯▯

K7. +10

K8. EQ OFF

K9. VOLUME DOWN (V)

K10. FUNCTION PHONO

K13. CD ◁◁

K44. CD REPEAT

K32. 4

K33. 1

K34. POPS

K35. TAPE II ▷▷

K36. 9

K37. 2

K38. 0

K39. TAPE I ▷▷

K40. VOCAL

K43. VOLUME UP (∧)

K47. CD TIME (MODE)

K51. CD ▷▷

K17. MUTE

K18. FUNCTION AUX/VCR

K21. CD ▷▷|

K22. CD CLEAR

K25. POWER ON/OFF

K26. FUNCTION CD

K27. JAZE

K28. TAPE I ▷

K29. CD |◁◁

K30. CD PROG

K31. 5

K53. 7

K54. CLASSIC

K55. TAPE I ◁◁

K56. TAPE II ◁◁

K57. 8

K58. BGM

K59. TAPE II ◁

K60. TAPE I ◁

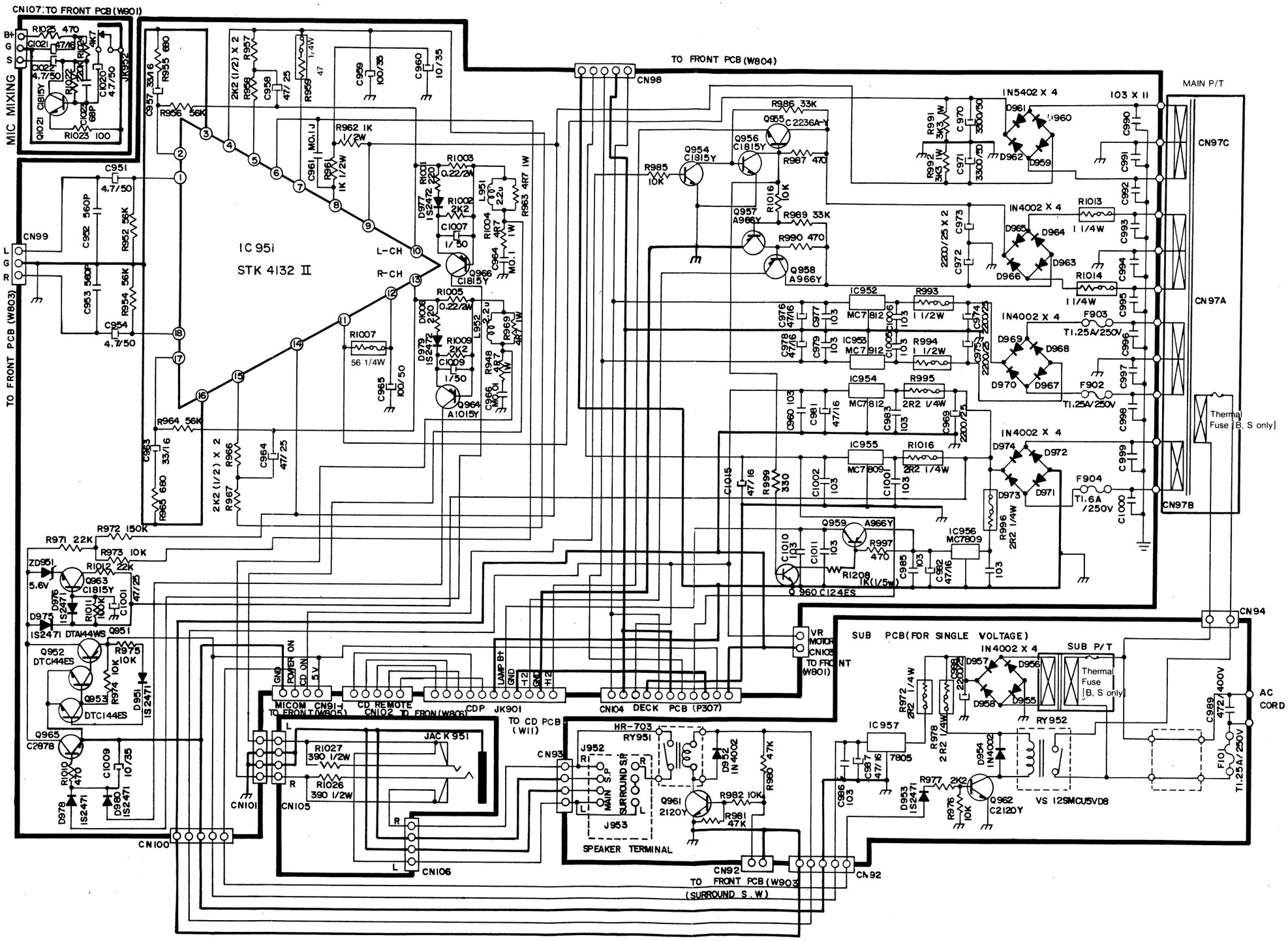
K61. TAPE II ▭

K62. 3

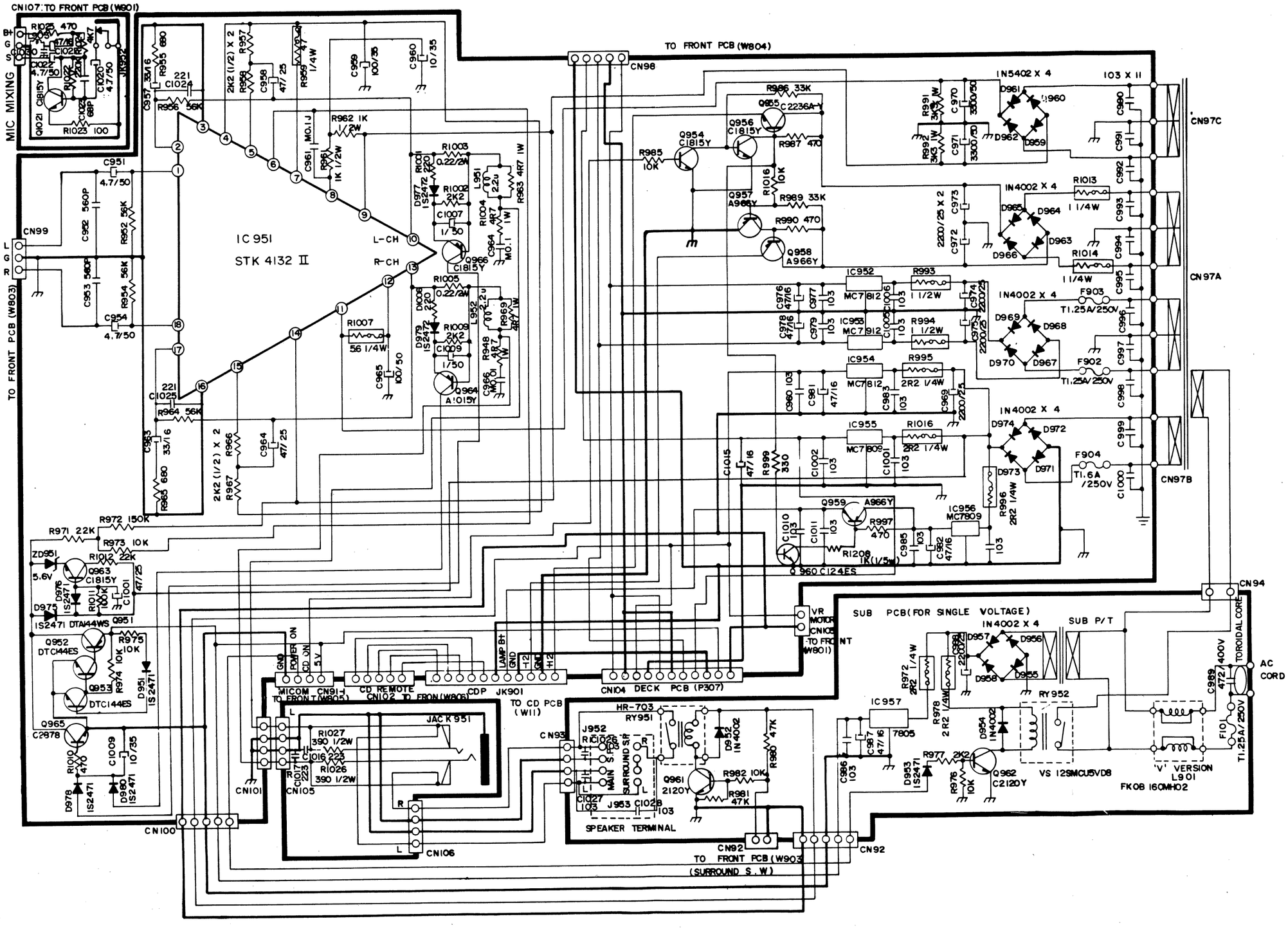
K63. TAPE II ▷

K64. TAPE I ▭

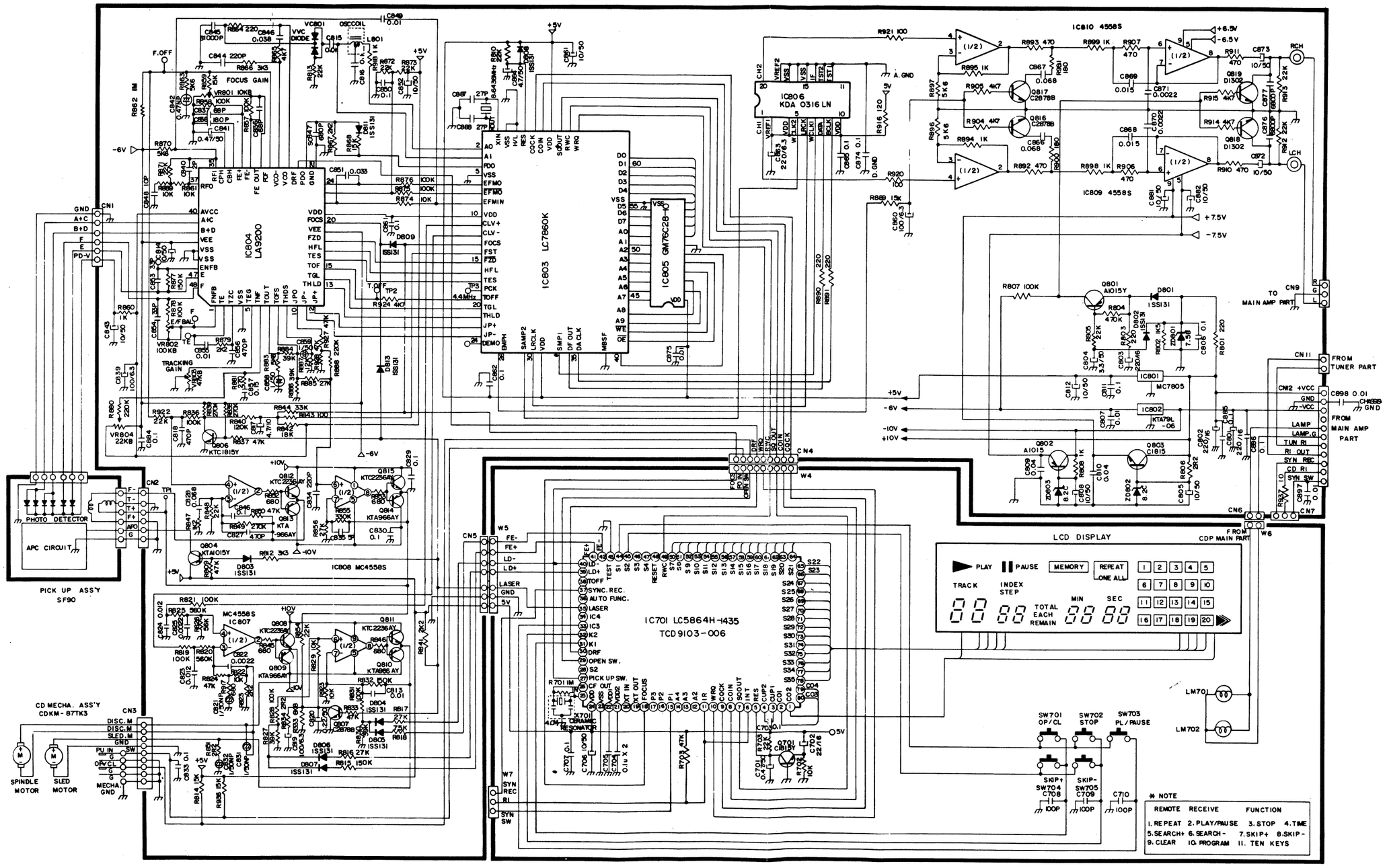
VIII. SCHEMATIC DIAGRAM (AC-MX100A MAIN & POWER) E B S U (U ;127V only)



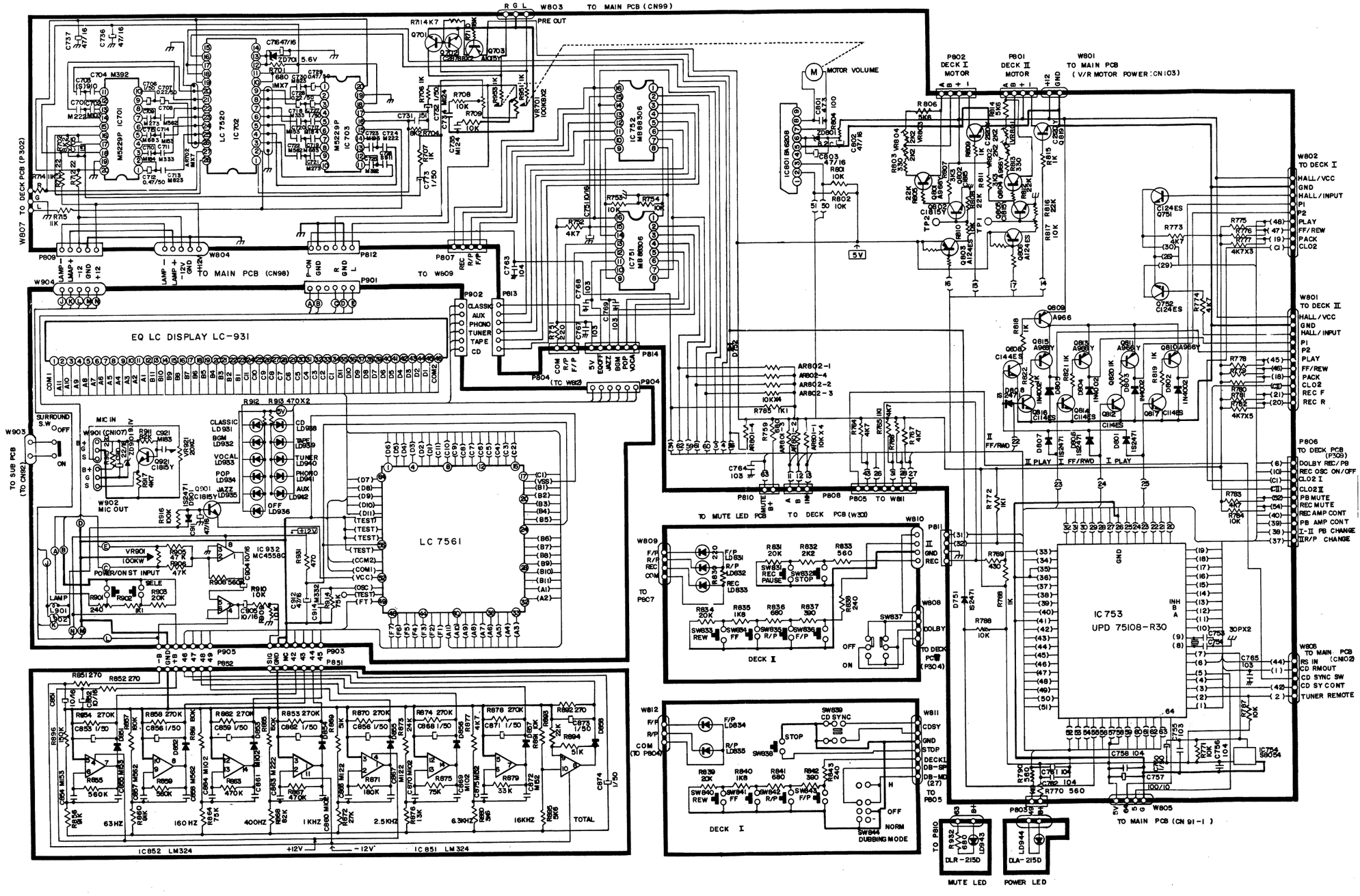
VIII. SCHEMATIC DIAGRAM (AC-MX100A MAIN & POWER) V only



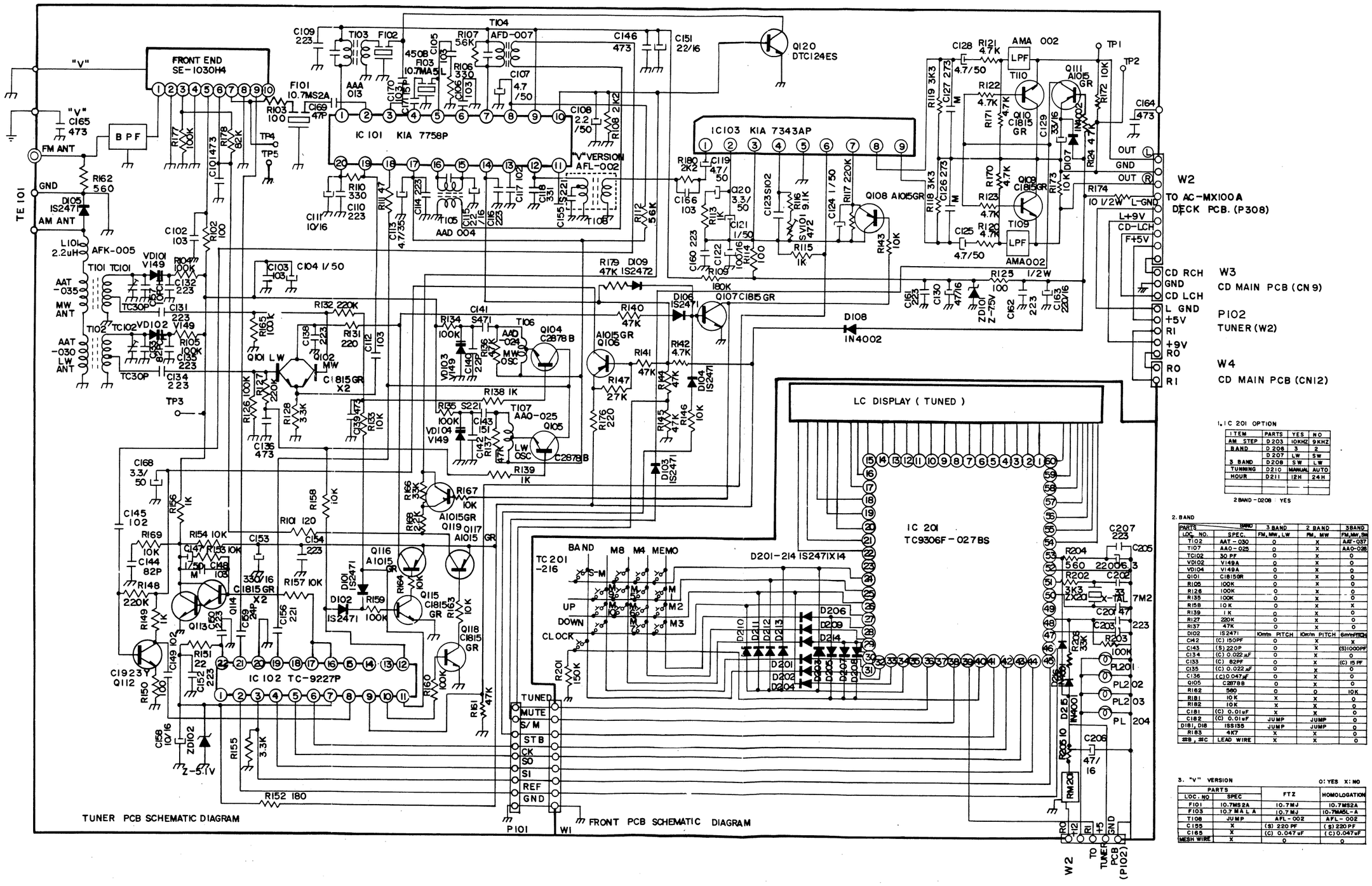
VIII. SCHEMATIC DIAGRAM (CD)



VIII. SCHEMATIC DIAGRAM (AC-MX100A FRONT)



VIII. SCHEMATIC DIAGRAM (AC-MX100T TUNER MAIN MW/LW & FRONT) B S E



1. IC 201 OPTION

ITEM	PARTS	YES	NO
AM STEP	D203	10KHZ	9KHZ
BAND	D206	3	2
	D207	LW	SW
3 BAND	D208	SW	LW
TUNNING	D210	MANUAL	AUTO
HOUR	D211	12H	24H

2 BAND - D208 : YES

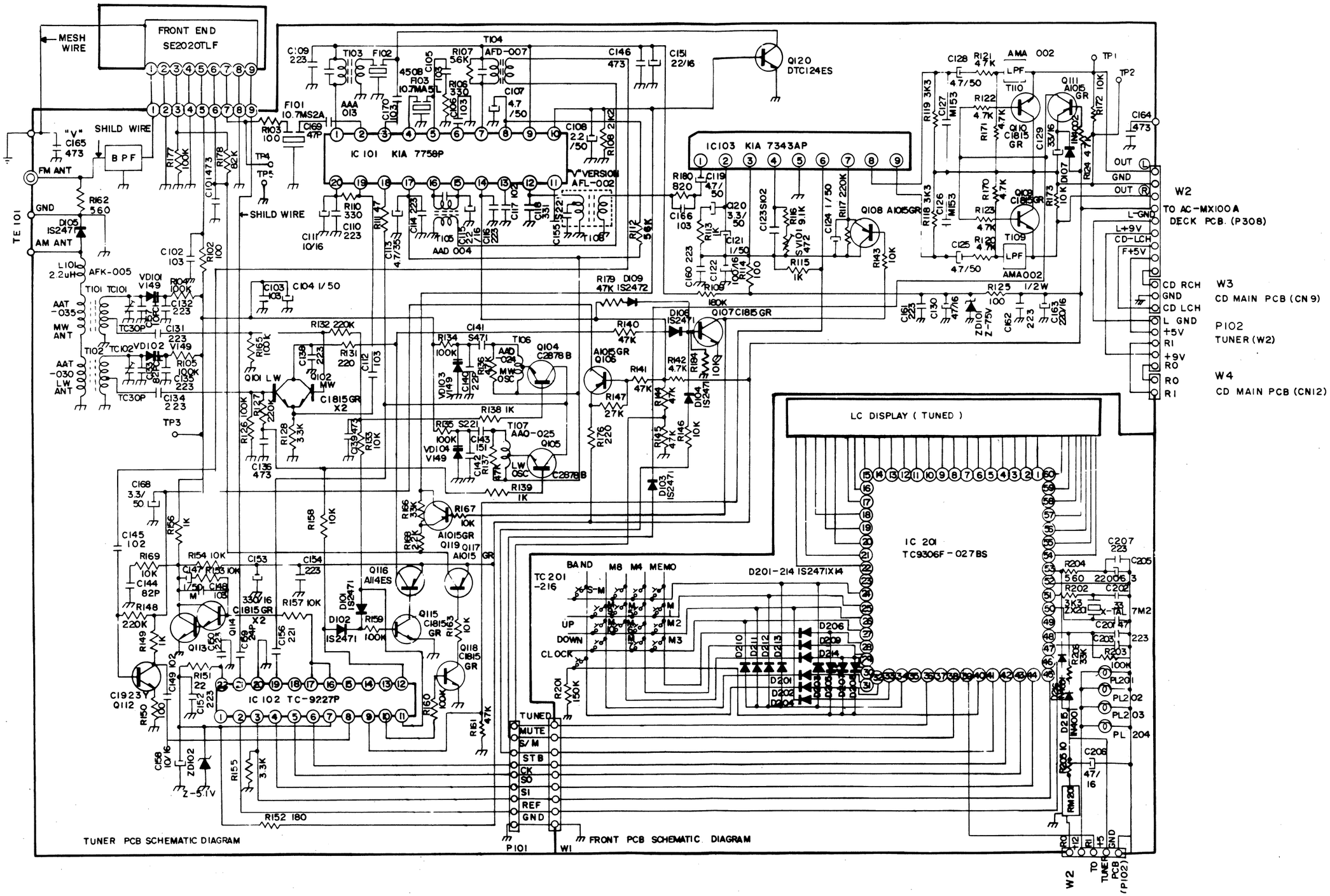
2. BAND

PARTS / BAND		3 BAND	2 BAND	3BAND
LOC. NO.	SPEC.	FM, MW, LW	FM, MW	FM,MW, SW
T102	AAT-030	O	X	AAT-037
T107	AAO-025	O	X	AAO-028
TC102	30 PF	O	X	O
VD102	V149A	O	X	O
VD104	V149A	O	X	O
Q101	C1815GR	O	X	O
R105	100K	O	X	O
R126	100K	O	X	O
R135	100K	O	X	O
R158	10K	O	X	X
R139	1K	O	X	O
R127	220K	O	X	O
R137	47K	O	X	O
D102	IS2471	10m/m PITCH	10m/m PITCH	6m/mPITCH
C142	(C) 150PF	O	X	X
C143	(S) 220P	O	X	(S)1000PF
C134	(C) 0.022 uF	O	X	O
C133	(C) 82PF	O	X	(C) 15 PF
C135	(C) 0.022 uF	O	X	O
C136	(C)0.047uF	O	X	O
Q105	C2878B	O	X	O
R162	560	O	O	10K
R181	10K	X	X	O
R182	10K	X	X	O
C181	(C) 0.01uF	X	X	O
C182	(C) 0.01uF	JUMP	JUMP	O
D181, D18	1SS135	JUMP	JUMP	O
R183	4K7	X	X	O
SSB, SSC	LEAD WIRE	X	X	O

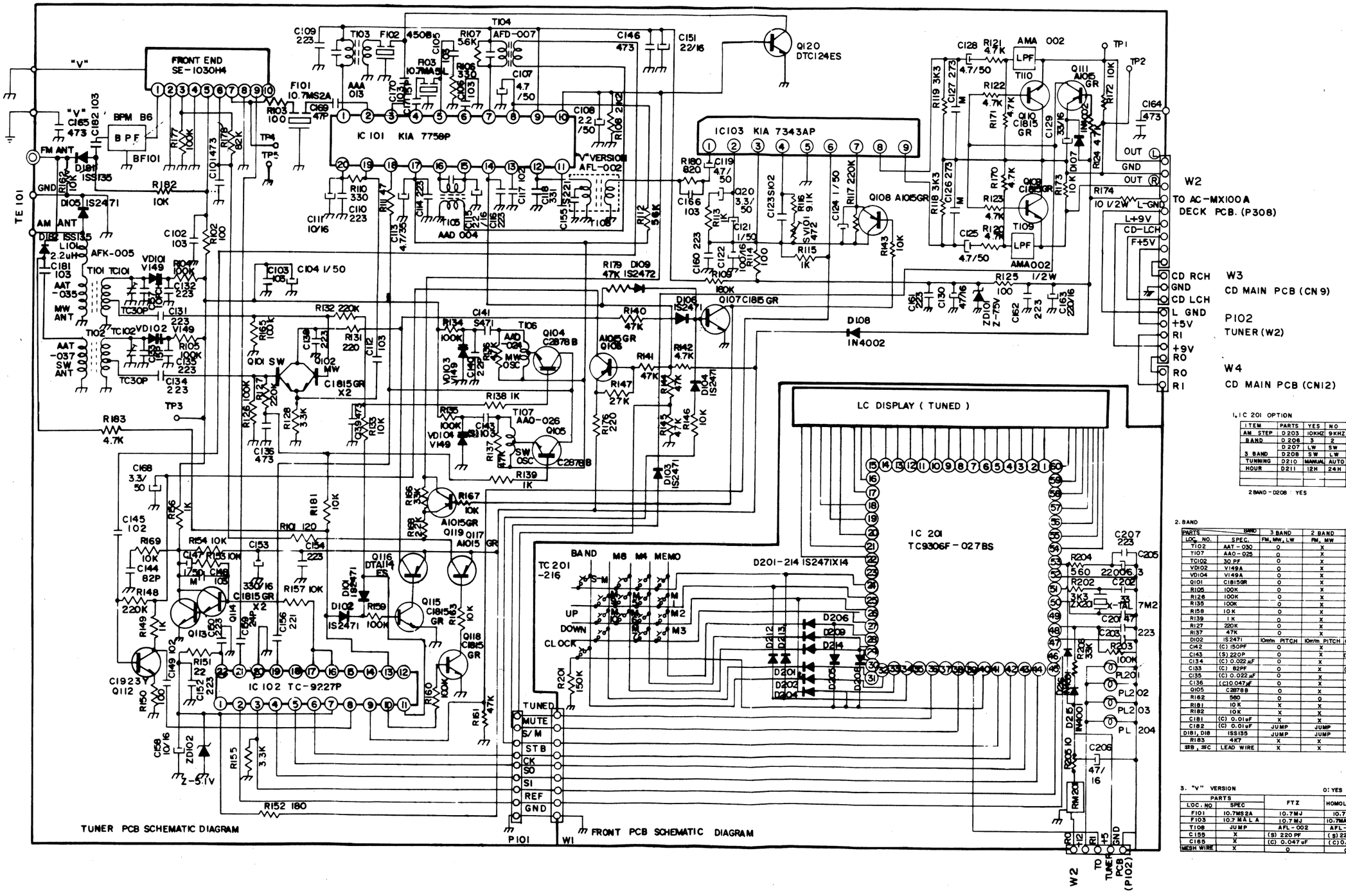
3. "V" VERSION O: YES X: NO

PARTS / LOC. NO	SPEC	FTZ	HOMOLOGATION
F101	10.7MS2A	10.7MJ	10.7MS2A
F103	10.7 MA L A	10.7 MJ	10.7MA5L-A
T108	JUMP	AFL-002	AFL-002
C155	X	(S) 220 PF	(S) 220 PF
C165	X	(C) 0.047 uF	(C) 0.047uF
MESH WIRE	X	O	O

VIII. SCHEMATIC DIAGRAM (AC-MX100T TUNER MAIN MW/LW & FRONT) [V] only



VIII. SCHEMATIC DIAGRAM (AC-MX100T TUNER MAIN (MW/SW) & FRONT)



1. IC 201 OPTION

ITEM	PARTS	YES	NO
AM STEP	D203	10KHZ	9KHZ
BAND	D206	3	2
	D207	LW	SW
3 BAND	D208	SW	LW
TUNNING	D210	MANUAL	AUTO
HOUR	D211	12H	24H

2 BAND - D208 : YES

2. BAND

PARTS / BAND	3 BAND	2 BAND	3BAND
LOC. NO. / SPEC.	FM, MW, LW	FM, MW	FM,MW,SW
T102 AAT-030	O	X	AAT-037
T107 AAO-025	O	X	AAO-026
TC102 30 PF	O	X	O
VD102 V149A	O	X	O
VD104 V149A	O	X	O
Q101 C1815GR	O	X	O
R105 100K	O	X	O
R126 100K	O	X	O
R135 100K	O	X	O
R158 10K	O	X	X
R139 1K	O	X	O
R127 220K	O	X	O
R137 47K	O	X	O
D102 IS2471	10mm PITCH	10mm PITCH	6mmPITCH
C142 (C) 150PF	O	X	X
C143 (S) 220P	O	X	(S)1000PF
C134 (C) 0.022 uF	O	X	O
C133 (C) 82PF	O	X	(C) 15 PF
C135 (C) 0.022 uF	O	X	O
C136 (C) 0.047 uF	O	X	O
Q105 C2878B	O	X	O
R162 560	O	O	10K
R181 10K	X	X	O
R182 10K	X	X	O
C181 (C) 0.01 uF	X	X	O
C182 (C) 0.01 uF	JUMP	JUMP	O
D181, D18 1SS135	JUMP	JUMP	O
R183 4K7	X	X	O
388, 3FC LEAD WIRE	X	X	O

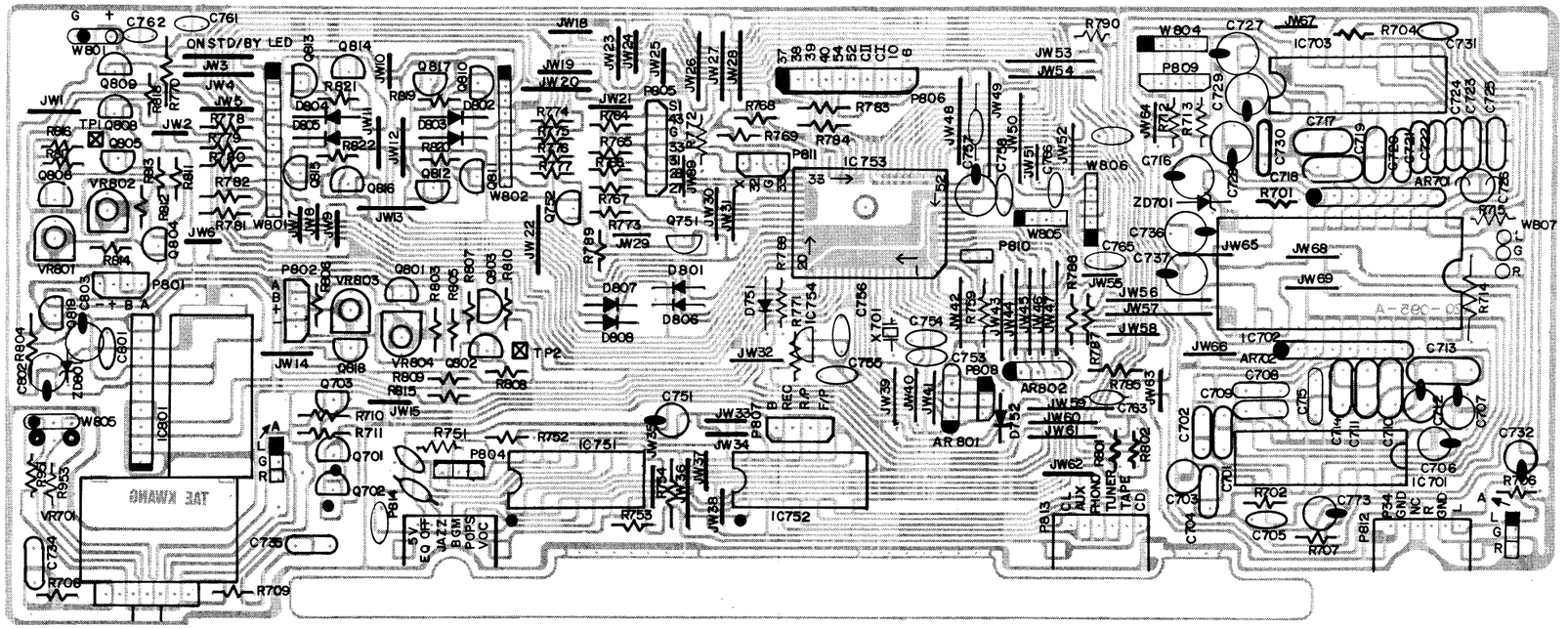
3. "V" VERSION

O: YES X: NO

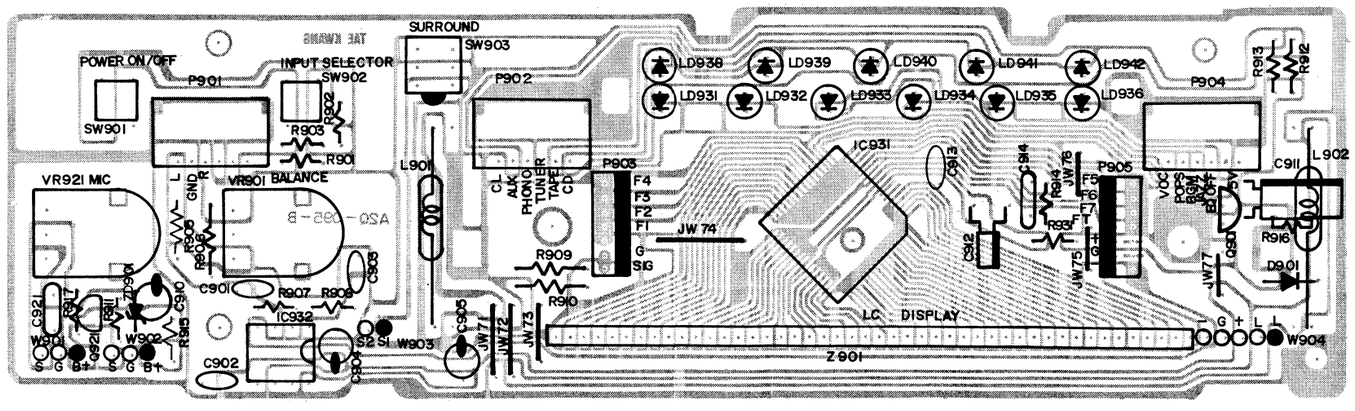
PARTS LOC. NO	SPEC	FTZ	HOMOLOGATION
F101	10.7MS2A	10.7MJ	10.7MS2A
F103	10.7 MA L A	10.7MJ	10.7MA9L-A
T108	JUMP	AFL-002	AFL-002
C155	X	(S) 220 PF	(S) 220 PF
C165	X	(C) 0.047 uF	(C) 0.047 uF
MESH WIRE	X	O	O

IX. PCB LAYOUT

AC-MX100A FRONT PCB

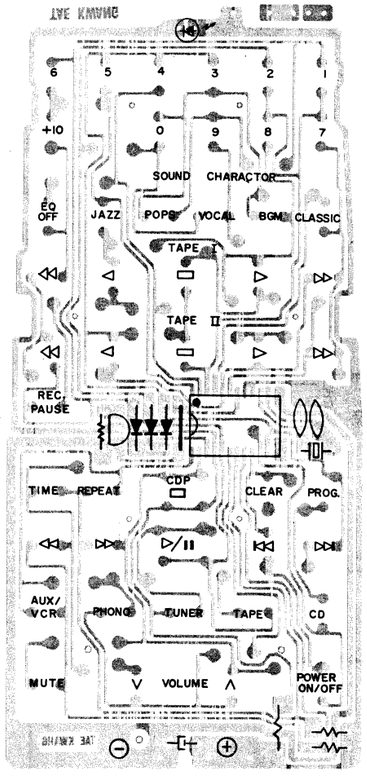


EQ LCD PCB

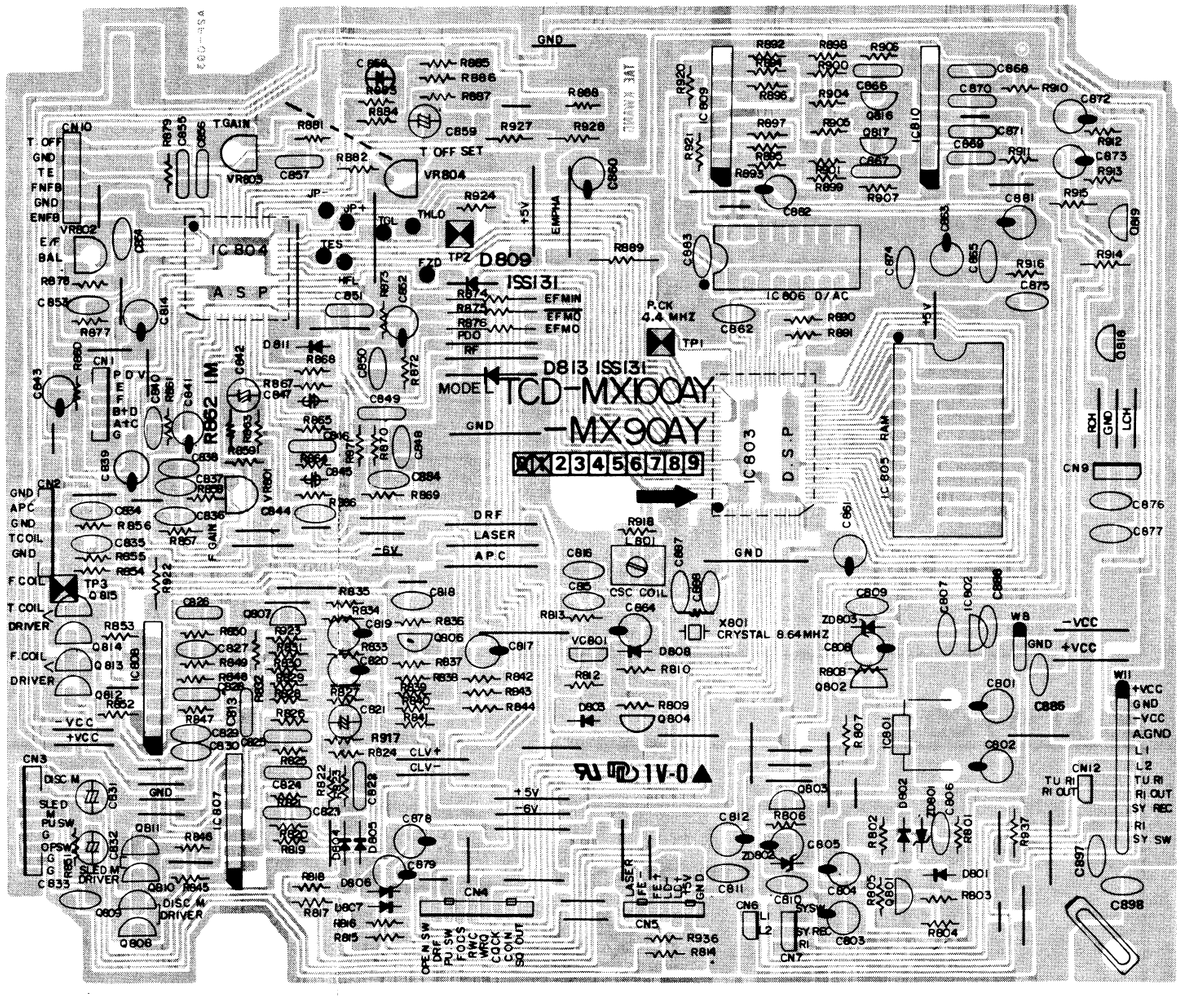


IX. PCB LAYOUT

RS-S100 REMOTE PCB

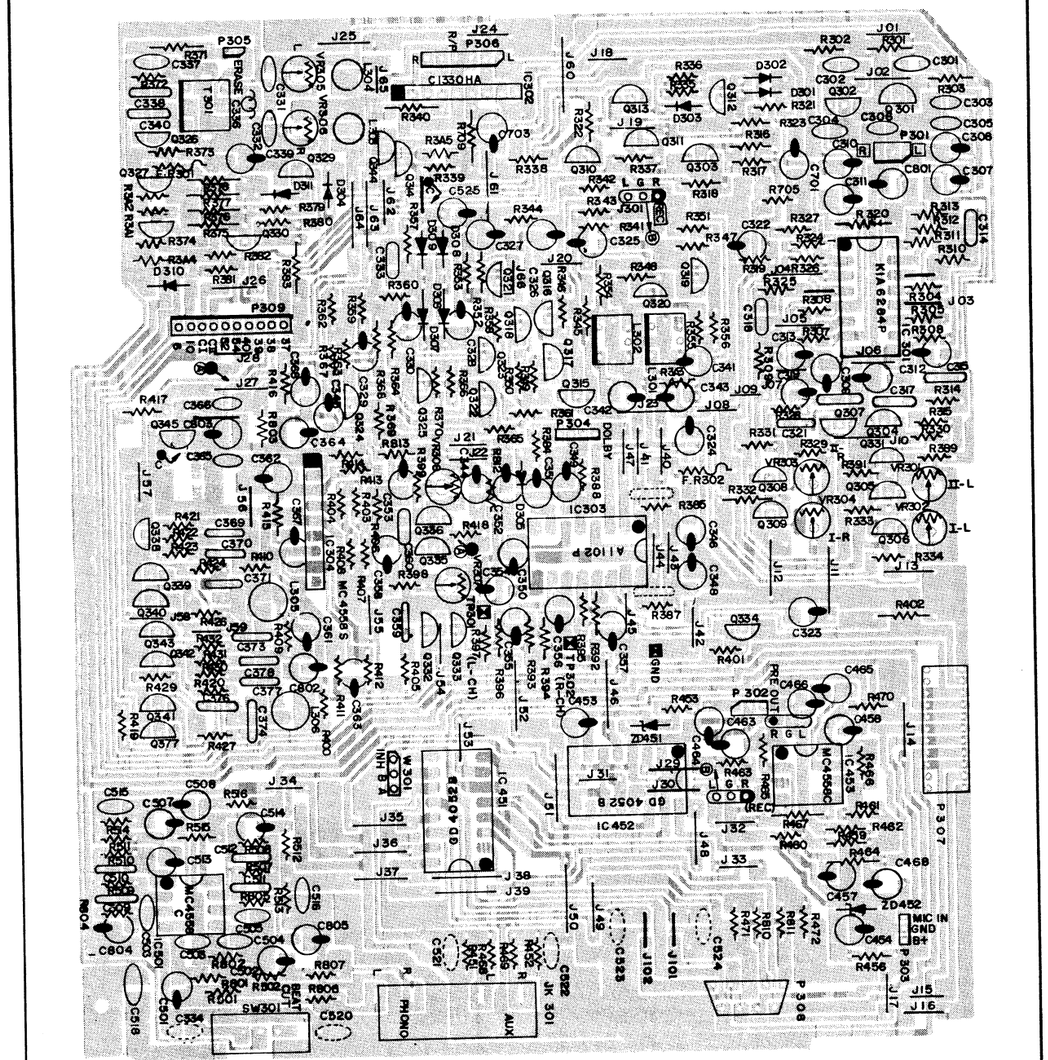


AC-MX100T C.D.P PCB

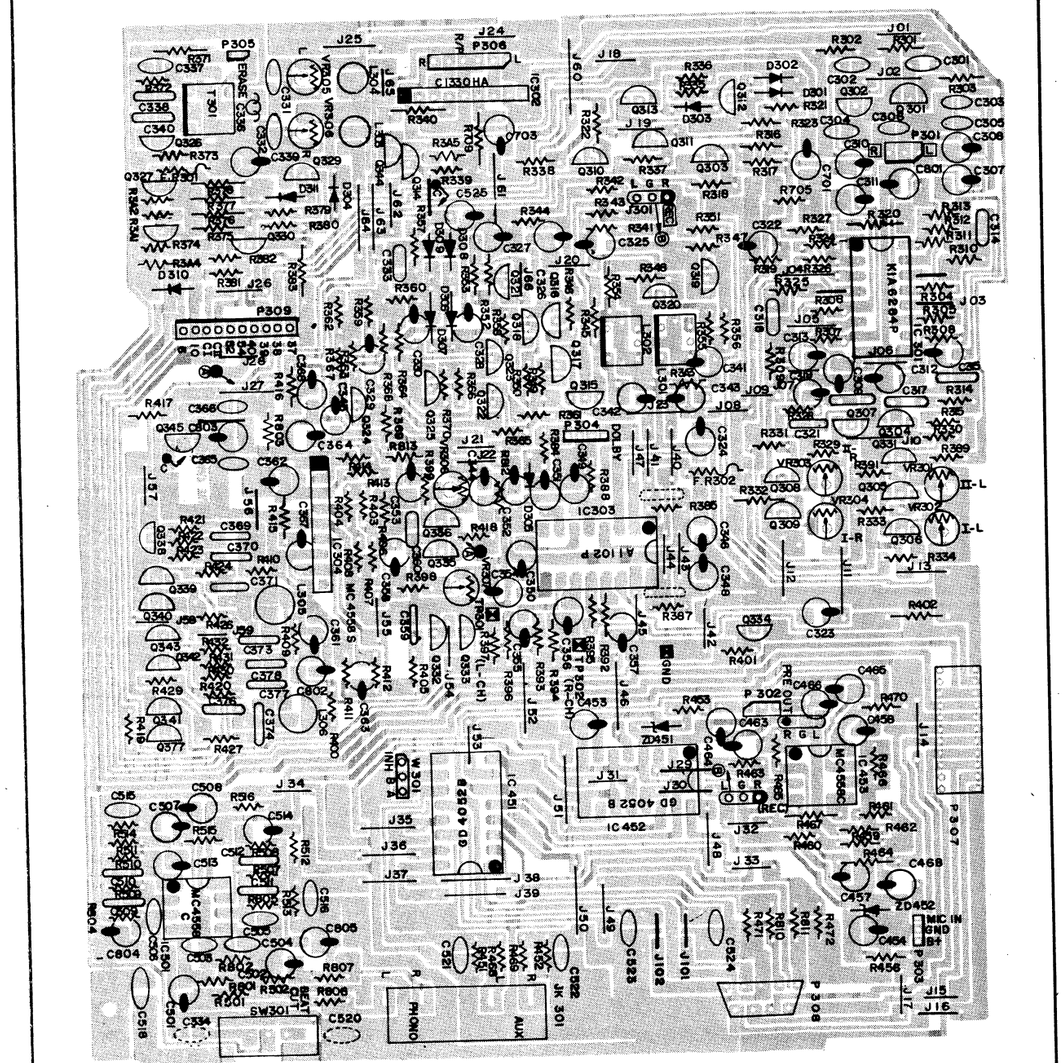


IX. PCB LAYOUT

AC-MX100A TAPE PCB [E] [B] [S] [U]

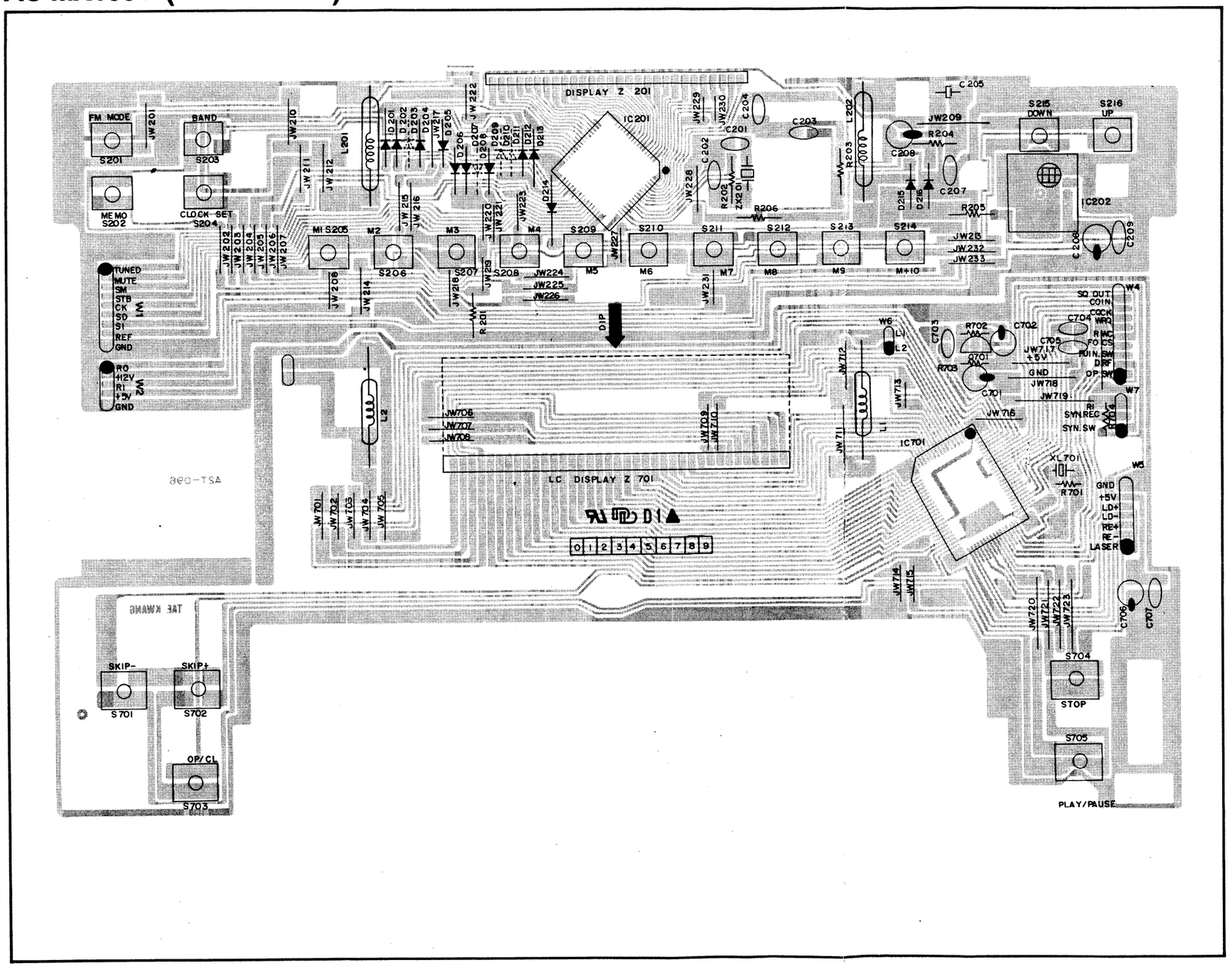


AC-MX100A TAPE PCB [V] only

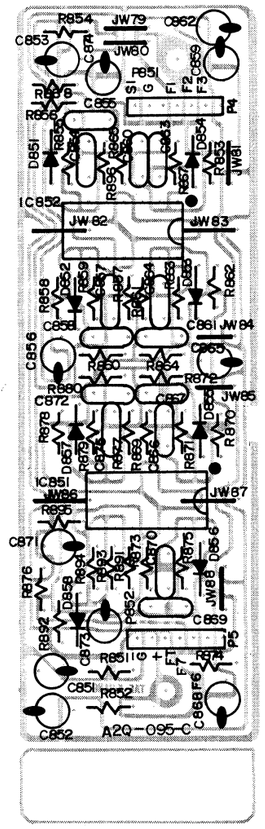


IX. PCB LAYOUT

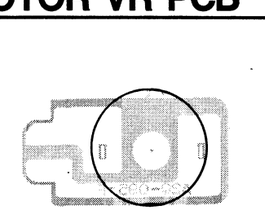
AC-MX100T (FRONT PCB)



EQ B.P.F PCB

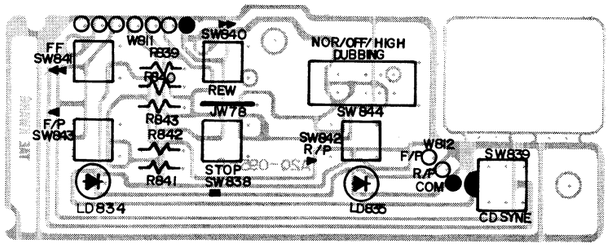


MOTOR VR PCB



IX. PCB LAYOUT

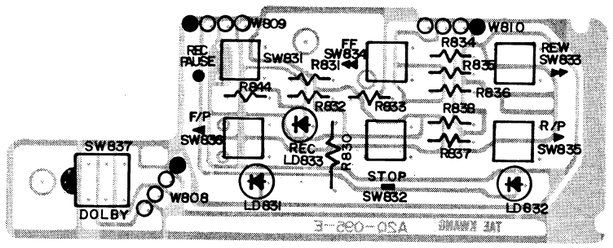
DECK I KEY PCB



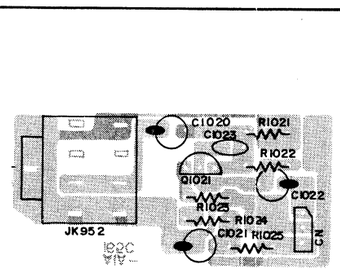
VR LED PCB

MUTE LED PCB

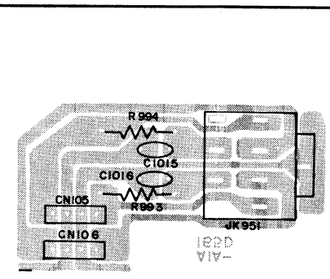
DECK II KEY PCB



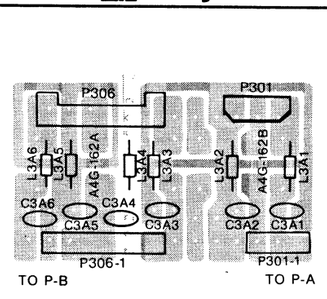
MIC JACK PCB



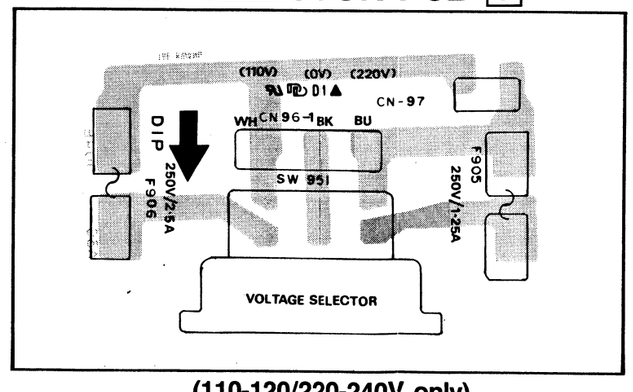
HEAD PHONE PCB



FRONT END PCB [V] only

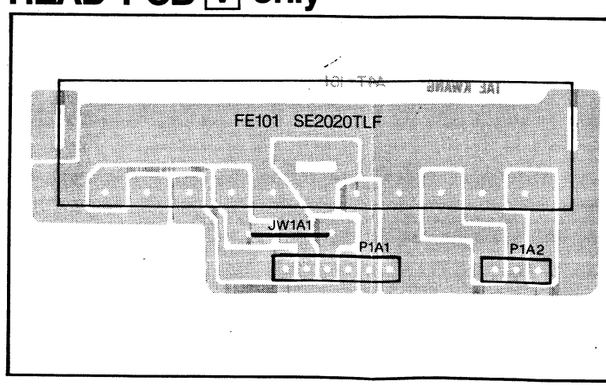


VOLTAGE SELECTOR PCB [U]



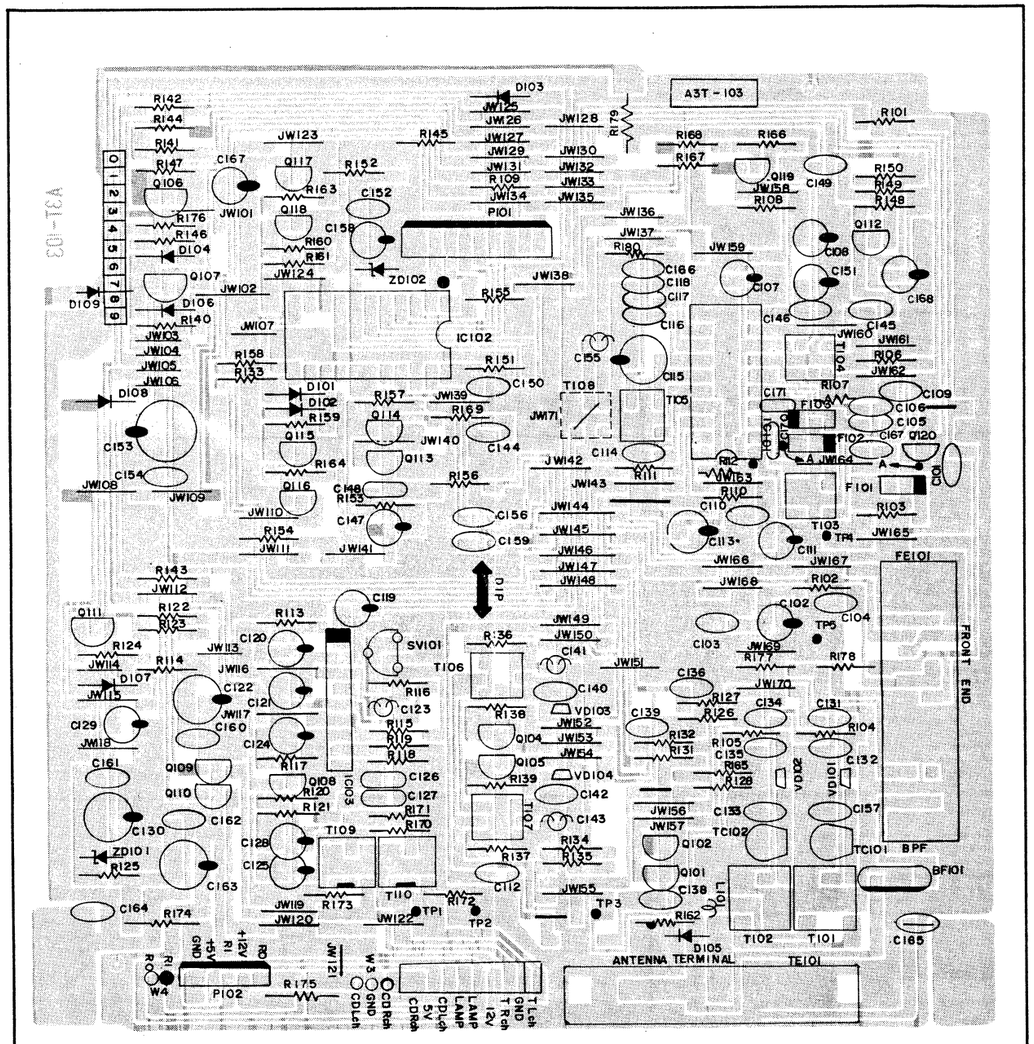
(110-120/220-240V only)

HEAD PCB [V] only

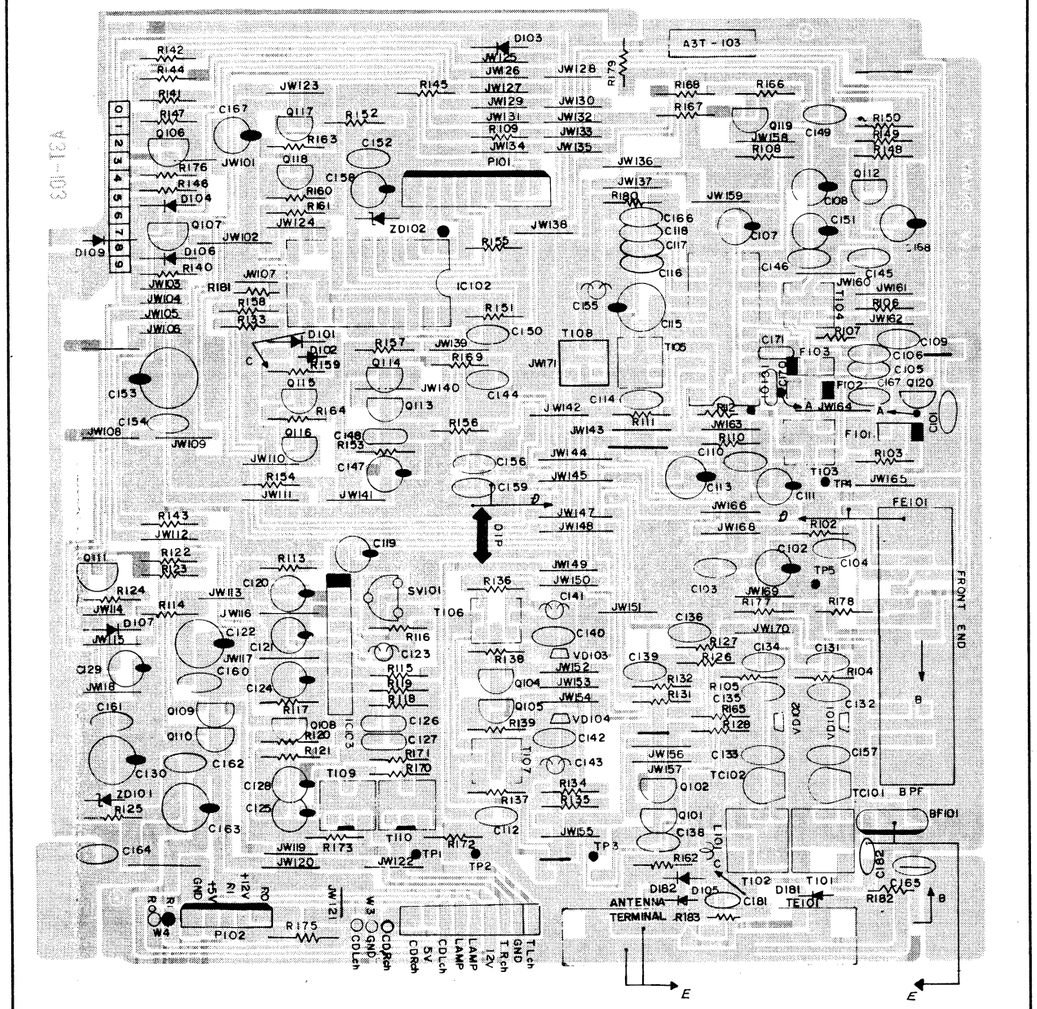


IX. PCB LAYOUT

AC-MX100T (TUNER MAIN MW/LW PCB) [B] [S] [E]

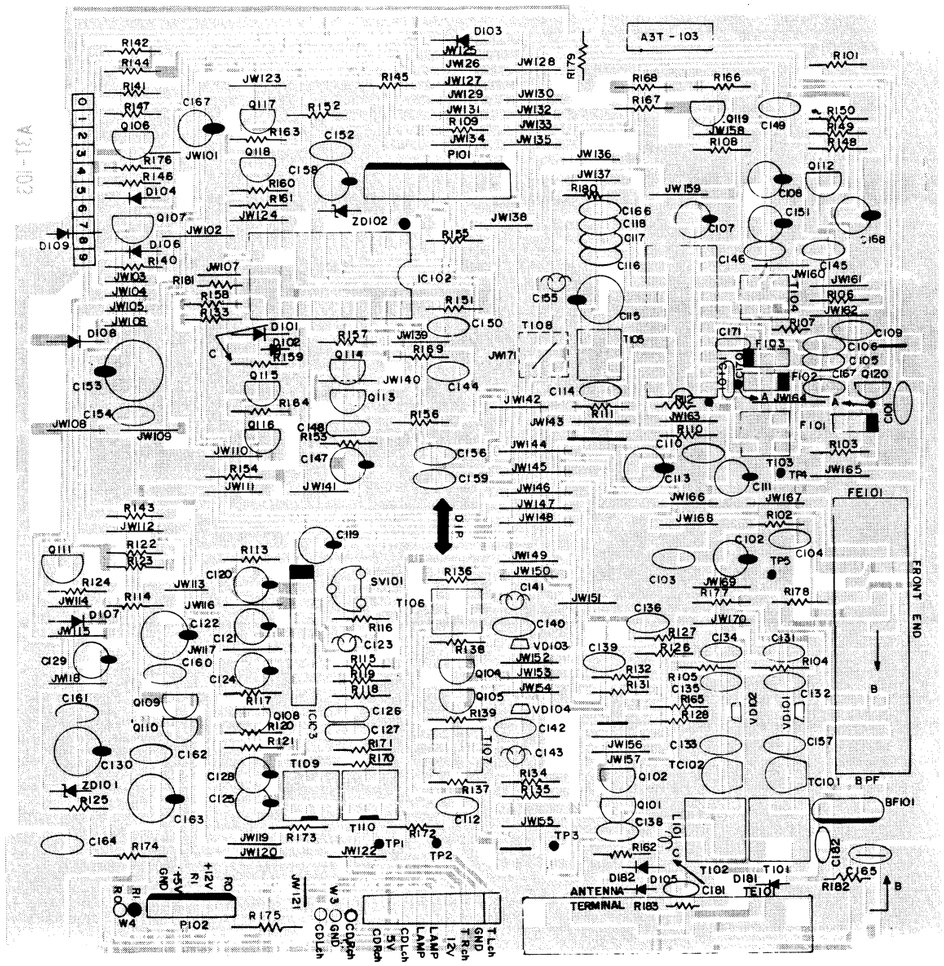


AC-MX100T (TUNER MAIN MW/LW PCB) [V] only

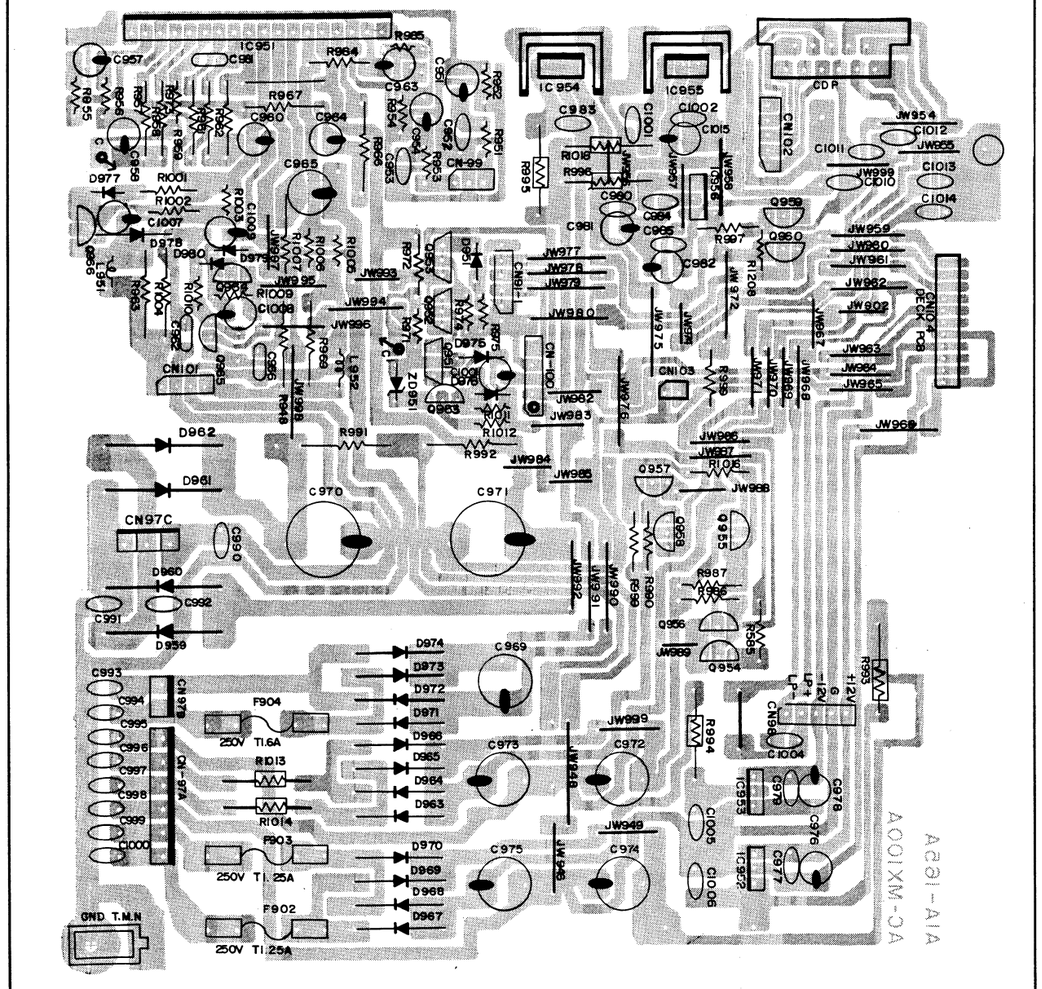


IX. PCB LAYOUT

AC-MX100T (TUNER MAIN MW/SW PCB) [U]

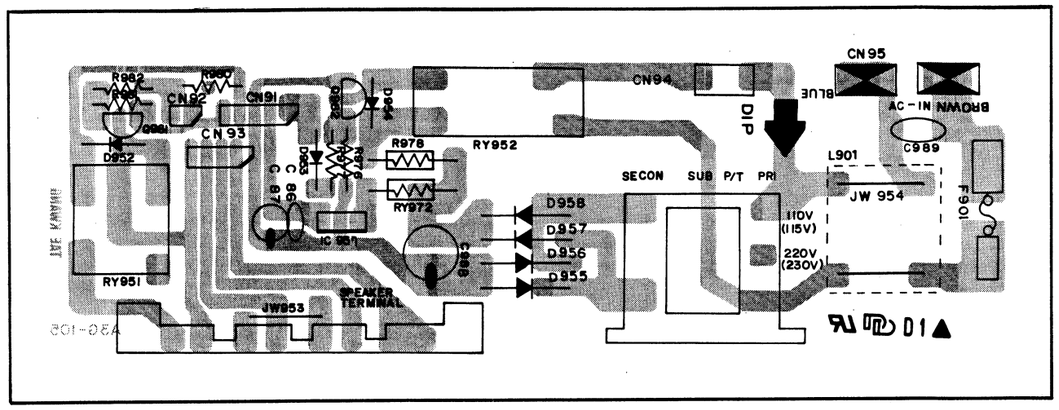


POWER AMP PCB

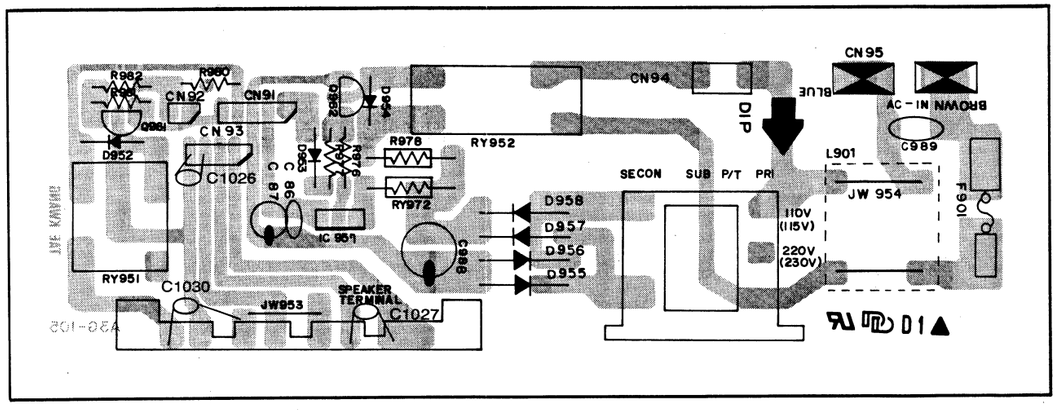


IX. PCB LAYOUT

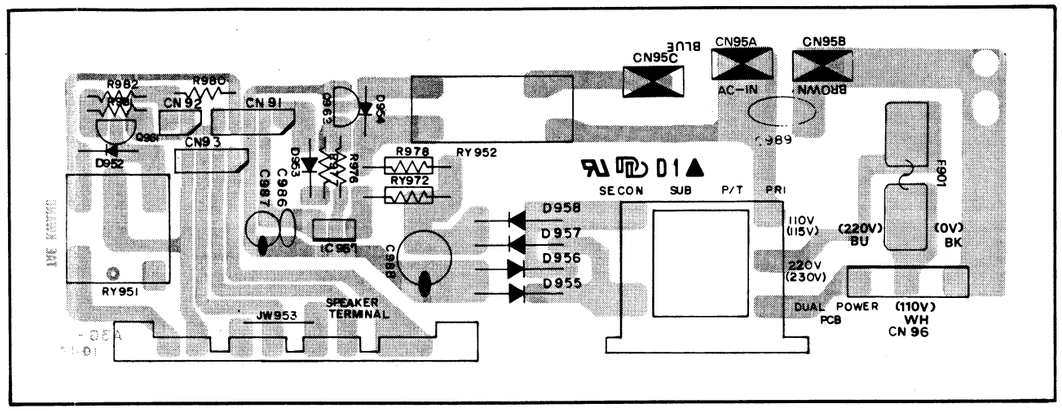
SUB P/T PCB B S E U (U;127V only)



SUB P/T PCB V only



AC-MX100A SUB P/T PCB U (110-120/220-240V only)



ABBREVIATIONS (CASSETTE)

ABBREVIATION	EXPLANATION	ABBREVIATION	EXPLANATION
AC	Alternating Current	MIN	MINute
A/D	Analog/Digital	MML	Maximum Modulation Level
AF	Auto Fader	MOL	Maximum Output Level
AMP	AMPlifier	MPX	Multi Plex
AR	Anti Recording	NC	Not Connected (No Connection)
AT BIAS	Auto Turning BIAS	NFB	Negative Feed Back
ATT	ATTenuator	NORM	NORMal
BAL	BALance	NR	Noise Reduction
BEF	Band Elimination Filter	OSC	OSCillator (OSCillation)
BSS	Blank Search System	P	Pulse
CAP M	CAPstan Motor	PB	Play Back
CH	CHannel	OMSS	Ouick Memory Search System
COMP	COMParator	OR	Ouick Reverse
CONT	CONTinuance	R CH	Right CHannel
CRLP	Computer Recording Level Processing	REC	RECord(RECording)
CS	Chip Select	REV	REVerse
D/A	Digital/Analog	ROT	ROTation
DC	Direct Current	REW	REWind
DET	DETector	SEC	SECond
DISCRI	DISCRIminator	SELE	SELEctor
DUB	DUBbing	SENS	SENSitivity
EQ	EQualizer	SEPP	Single Ended Push Pull
FF(or F.FWD)	Fast Foward	SIG	SIGnal
FLD	FLuoresent Display	SPECT	SPECTrum
FREQ	FREQuency	STD	STanDard
FWD	ForWarD	SW	SWitch
GND	GrouND	SYSCON	SYStem CONtrol
H	High	TP	Test Point
HPF	High Pass Filter	TRIG	TRIGa
IND	INDicator	VCA	Voltage Control Attenuator
IPLS	Instant Program Location System	VOL	VOLume
L	Low	VOLT	VOLTage
L CH	Left CHannel	VR	Variable Resistor
LED	Light Emitining Diode	X'TAL	cysTAL
MEMO	MEMOry	X1	Normal speed
MICOM	MIcroCOMputer	X2	Dubble speed

ABBREVIAIONS (TUNER)

ABBREVIATION	EXPLANATION	ABBREVIATION	EXPLANATION
AFC	Auto Frequency Control	MEMO	MEMOry
AGC	Auto Gain Control	MI-COM	MIcro-COMputer
ALC	Auto Level Control	MIN	MINimum
AM	Amplitude Modulation	MIX	MIXing
AMP	AMPlifier	MPX	MultipleX
ANT	ANTenna	MW	Medium Wave(frequency)
BATT	BATTery	NC	No Connection
BLK	BLocK	NFB	Negative Feed Back
BUFF	BUFFer	OSC	OSCillator
COMP	COMParator	PCB	Printed Circuit Board
DET	DETect(DETctor)	PLL	Phase Locked Loop
FLD	FLuorescent Display	Q.D	Quadrature Detector
FM	Frequency Modulation	Rch	Right channel
FREQ	FREQuency	REF	REFerence
GND	GrouND	REG	REGulator
H	High	RF	Radio Frequency
HPF	High Pass Filter	SEG	SEGment
IF	Intermediate Frequency	SELE	SELEctor
IHF	Institut of High Fidelity	SENS	SENSitivity
IND	INDicator	SIG	SIGnal
I/O	In/Out	S/N	Signal to Noise Ratio
JW	Jumper Wire	SSG	Standard Signal Generator
L	Low	STD	STanDard
LCD	Liquid Crystal Display	SW	SWitch : Short Wave(frequency)
Lch	Left channel	THD	Total Harmonic Distortion
LED	Light Emiting Diode	TP	Test Point
LPF	Low Pass Filter	VCO	Voltage Controlled Oscillator
LW	Long Wave(Frequency)	VR	Variable Resistor
		X'TAL	Crystal

ABBREVIATIONS (AMPLIFIER)

ABBREVIATION	EXPLANATION
A	Analog
AC	Alternating Current
AMP	AMPlifier
CD	Compact Disc
COM	COMmon
D	Digital
D/A	Digital to Analog
DAC	Digital to Analog Converter
DAT	Digital Audio Tape recorder
DC	Direct Current
GND	GrouND
L	Left
LED	Light Emitting Diode
MC	Moving Coil
MM	Moving Magnet
PCB	Printed Circuit Board
R	Right
REG	REGulator
REC	RECord
TR	TRansistor
SW	SWitch
V.AMP	Voltage AMPlifier
V.DISC	Video DISC
VR	Variable Resistance
VTR	Video Tape Recorder